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ARBORETUM ET FRUTICETUM BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,

Native and Foreign, Hardy and Half-Hardy,

PICTORIALLY AND BOTANICALLY DELINEATED,
AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,

AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN

LANDSCAPE-GARDENING;

PRECEDED BY A HISTORICAL AND GEOGRAPHICAL OUTLINE
OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES
THROUGHOUT THE WORLD.

BY J. C. LOUDON, F.L. & H.S. &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE.

IN EIGHT VOLUMES:

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS;
AND FOUR OF OCTAVO AND QUARTO PLATES.

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VOL. VIII.

THE PLATES FROM CORYLA'CEÆ TO CUPRE'SSINÆ.

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SECOND EDITION.

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| 393. | <i>L. e.</i> , large tree.                          |      |      | 326. | <i>Q. Ilex</i> (the Evergreen Oak), full-grown tree } | III. 1899 |
| 353. | <i>Liquidambar Styraciflua</i>                      | IV.  | 2049 | 327. | <i>Q. I. latifolia</i> - - -                          | III. 1899 |
| 354. | <i>L. S.</i> , full-grown tree.                     |      |      | 328. | <i>Q. I. (angustifolia) longifolia</i> - - }          | III. 1900 |
|      | Maidenhair Tree. See <i>Salisbùria</i> .            |      |      | 322. | <i>Q. palustris</i> - - -                             | III. 1887 |
|      | Morinda. See <i>Abies Smithiana</i> .               |      |      | 323. | <i>Q. p.</i> , full-grown tree.                       |           |
|      | Oak. See <i>Quercus</i> in preceding list.          |      |      | 324. | <i>Q. Phellos</i> , 4to - -                           | III. 1894 |
| 344. | <i>Ostrya virginica</i> - -                         | III. | 2015 | 325. | <i>Q. Ph. latifolius</i> - -                          | III. 1895 |
| 342. | <i>O. vulgaris</i> (the Hop Hornbeam) - }           | III. | 2015 | 313. | <i>Q. Prinus monticola</i> -                          | III. 1873 |
| 343. | <i>O. v.</i> , full-grown tree.                     |      |      | 312. | <i>Q. Prinus palustris</i> -                          | III. 1872 |
| 391. | <i>Picea balsamifera</i> (the Balm of Gilead Fir) } | IV.  | 2339 | 314. | <i>Q. Pr. tomentosa</i> - -                           | III. 1876 |
| 388. | <i>P. pectinata</i> (the common Silver Fir) }       | IV.  | 2329 | 310. | <i>Q. macrocarpa</i> - -                              | III. 1869 |
| 389. | <i>P. p.</i> , full-grown tree.                     |      |      | 311. | <i>Q. obtusiloba</i> - - -                            | III. 1870 |
| 390. | <i>P. p.</i> , full-grown tree.                     |      |      | 315. | <i>Q. rubra</i> - - -                                 | III. 1877 |
|      | Pinaster. See <i>Pinus Pinaster</i> .               |      |      | 316. | <i>Q. r.</i> , full-grown tree, 4to.                  |           |
|      |                                                     |      |      | 317. | <i>Q. r.</i> , winter tree.                           |           |
|      |                                                     |      |      | 330. | <i>Q. Sùber</i> (the Cork tree) full-grown tree }     | III. 1911 |
|      |                                                     |      |      | 331. | <i>Q. S.</i> , full-grown-tree.                       | III. 1913 |
|      |                                                     |      |      | 332. | <i>Q. S. dentatum</i> , full-grown tree - }           | III. 1911 |
|      |                                                     |      |      | 321. | <i>Q. tinctoria</i> - - -                             | III. 1884 |
|      |                                                     |      |      | 333. | <i>Q. virens</i> - - -                                | III. 1918 |
|      |                                                     |      |      |      | Red Cedar. See <i>Juniperus virginiana</i> .          |           |

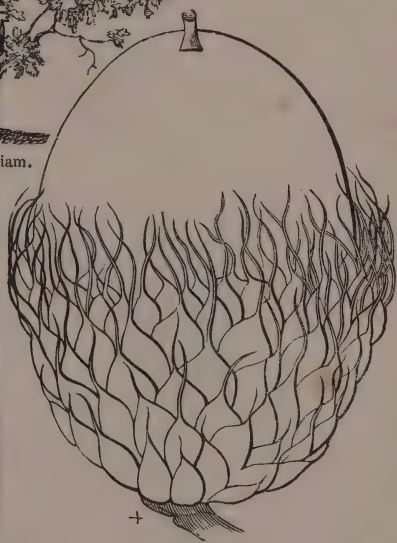


| Page |                                     | Page |                                    | Page       |
|------|-------------------------------------|------|------------------------------------|------------|
| 359. | <i>Salisbùria adiantifòlia</i> }    | 406. | <i>Taxòdium distichum</i> }        | Page       |
|      | (the Ginkgo Tree) }                 |      | (the Deciduous Cy-                 | IV. 2481   |
| 360. | <i>S. adiantifòlia</i> , full-grown |      | press) }                           |            |
|      | tree.                               | 407. | <i>T. d.</i> , full-grown tree.    |            |
|      | Scotch Pine. See <i>Pinus</i>       | 355. | <i>Táxus baccàta</i> (the Yew)     | IV. 2066   |
|      | <i>sylvéstris</i> .                 | 356. | <i>T. b.</i> , tree at Harlington. |            |
|      | Silver Fir. See <i>Picea</i>        | 357. | <i>T. b.</i> , tree at Darley.     |            |
|      | <i>pectinàta</i> .                  | 358. | <i>T. b. fastigiàta</i> -          | IV. 2066   |
|      | Spruce Fir. See <i>Abies</i>        | 401. | <i>Thùja occidentàlis</i> (the     | } IV. 2454 |
|      | <i>excélsa</i> .                    |      | <i>Arbor Vitæ</i> ) -              |            |
|      | Stone Pine. See <i>Pinus</i>        | 402. | <i>T. orientàlis strìcta</i> -     | IV. 2459   |
|      | <i>Pínea</i> .                      |      | Weymouth Pine. See                 |            |
|      | Sweet Chestnut. See <i>Cas-</i>     |      | <i>Pinus Stròbus</i> .             |            |
|      | <i>tànea</i> .                      |      | Yew. See <i>Táxus</i> .            |            |





21 ft. high, 4 in. diam.







*Quercus obtusiloba.*

The obtuse-lobed-leaved Oak.



11 ft. high, 2 in. diam.





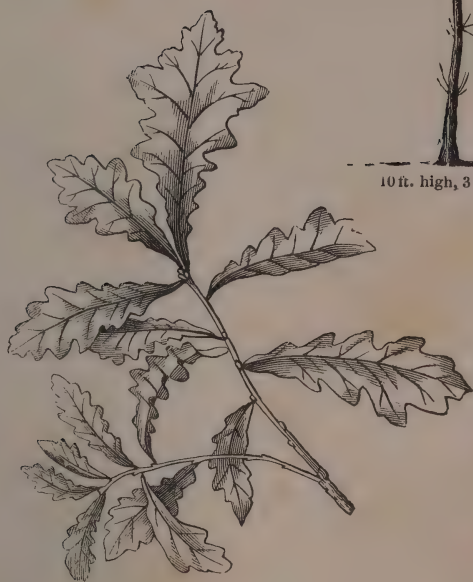


*Quercus Prinus palustris.*  
The Swamp Chestnut Oak.

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10 ft. high, 3 in. diam.





*Quercus Prinus monticola.*

The Rock Chestnut Oak.



10 f., high, 2½ in. diam.







*Quercus Prinus tomentosa.*

The pubescent Chestnut Oak.



11 ft. high, 3 in. diam.





*Quercus rubra.*

The red Oak.



12 ft. high, 2 in. diam.









From a full-grown tree at Syon, 57 ft. high ; diam. of the head 55 ft.  
[Scale 1 in. to 12 ft.]





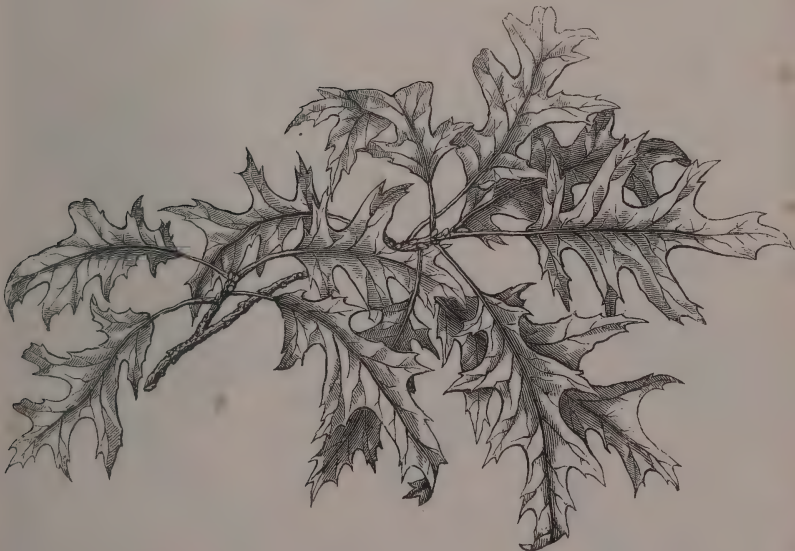


*Quercus rubra.*

The red, or *Champion*, Oak.



Full-grown tree in the Fulham Nursery, 40 ft. high.  
[Scale 1 in. to 12 ft.]







18 ft high, 4 in. diam.







*Quercus coccinea.*

The scarlet Oak.



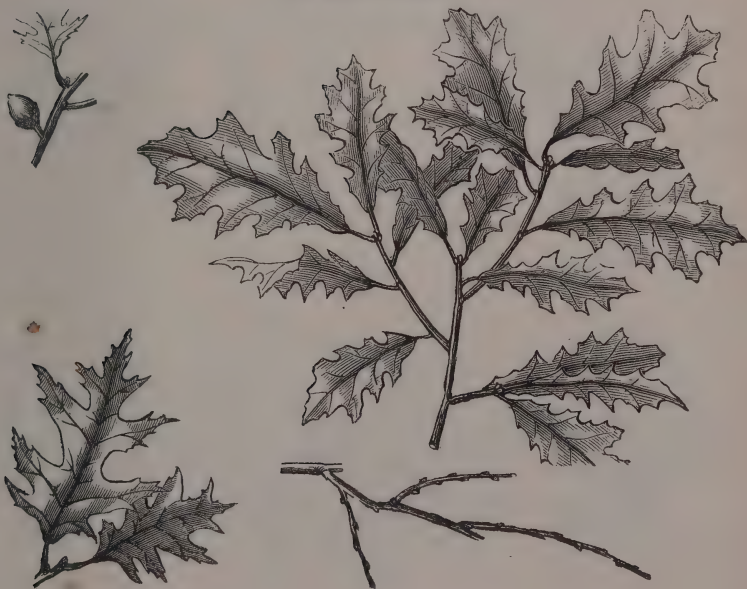
Full-grown tree at Muswell Hill, 70 ft. high; diam. of the trunk 3 ft., and of the head 45 ft.  
[Scale 1 in. to 12 ft.]



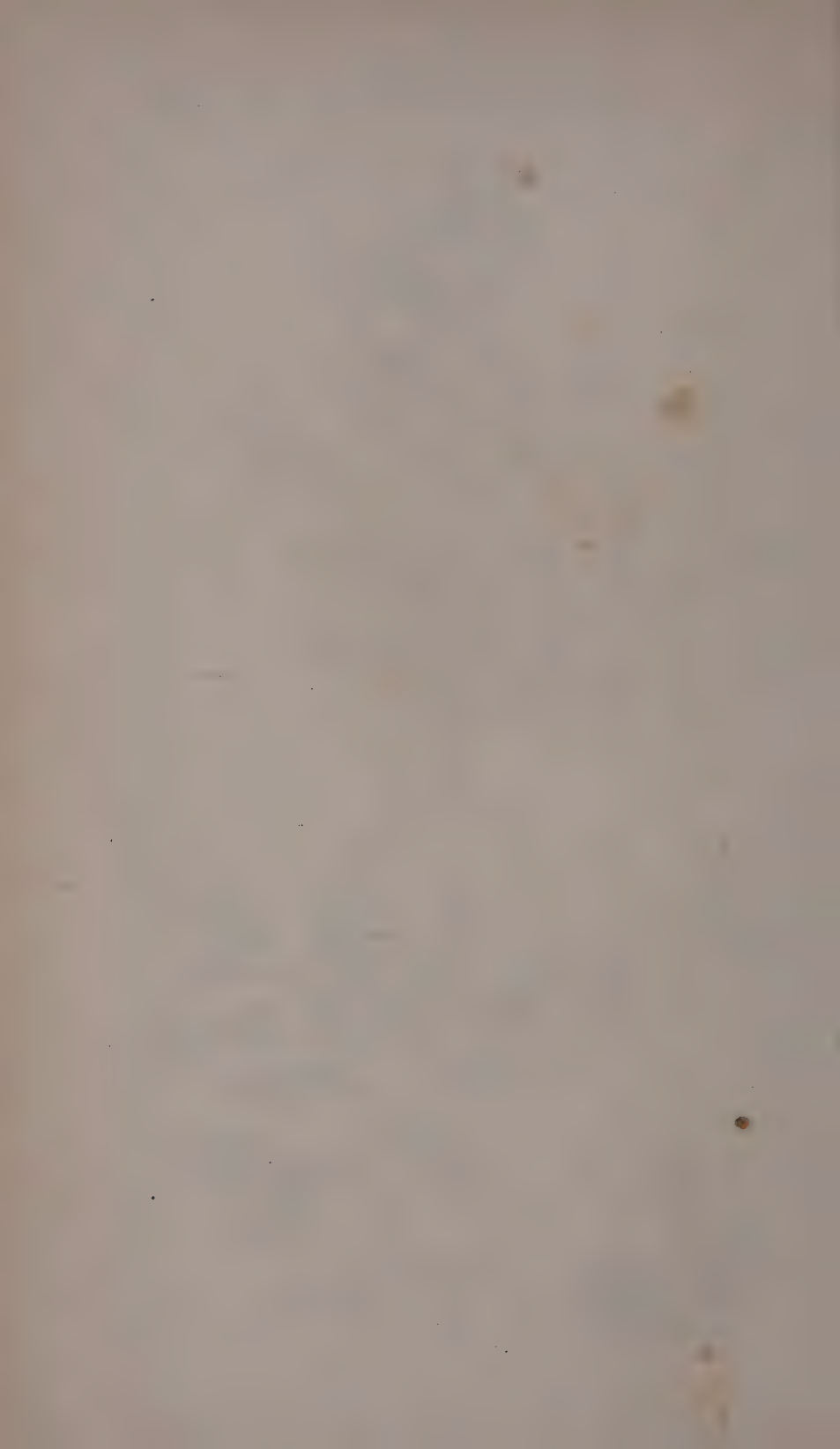
The ambiguous, or grey, Oak.



16 ft. high, 3 in. diam.



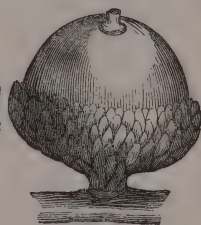


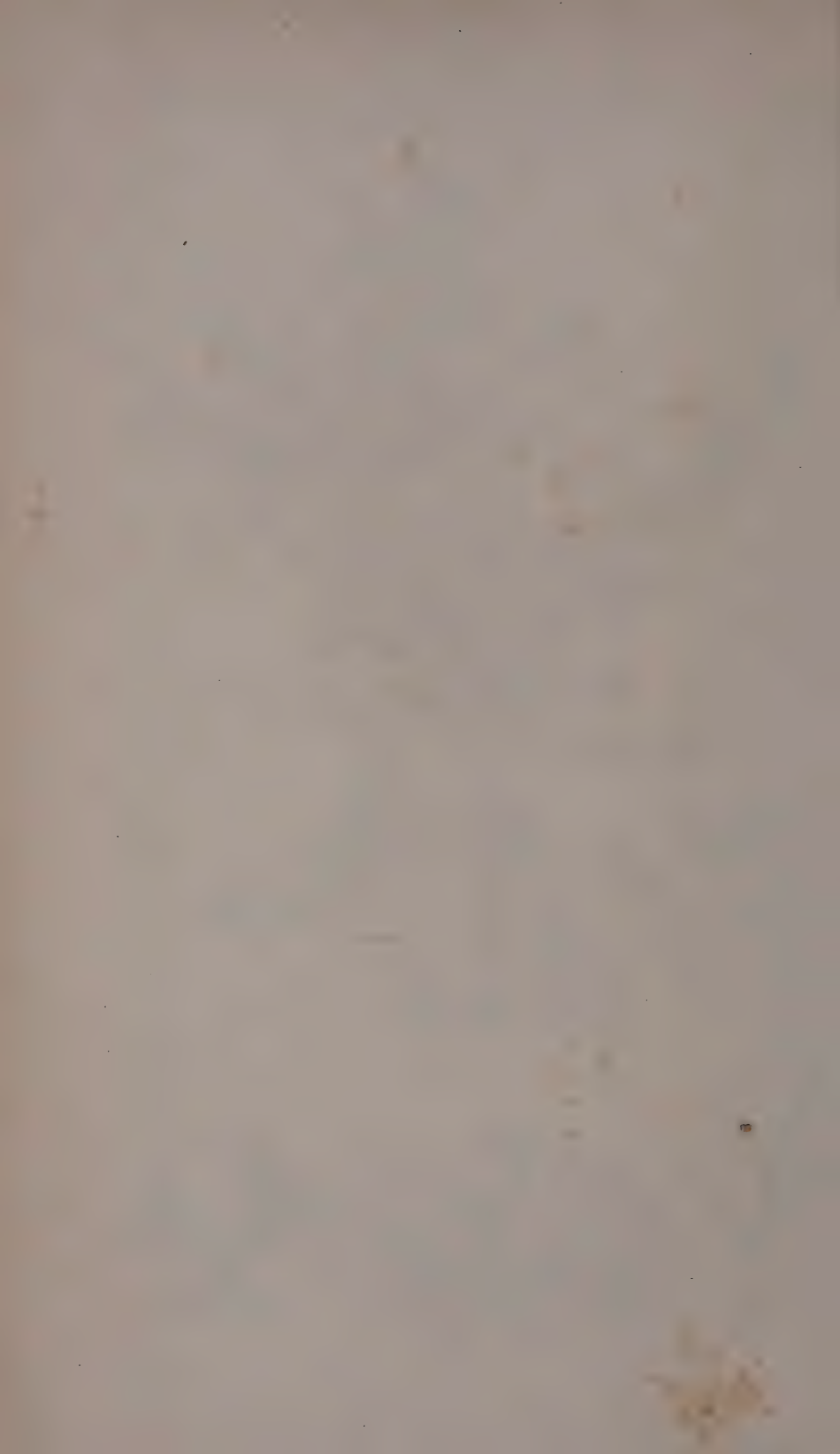


The Dyer's, or Quercitron, Oak.



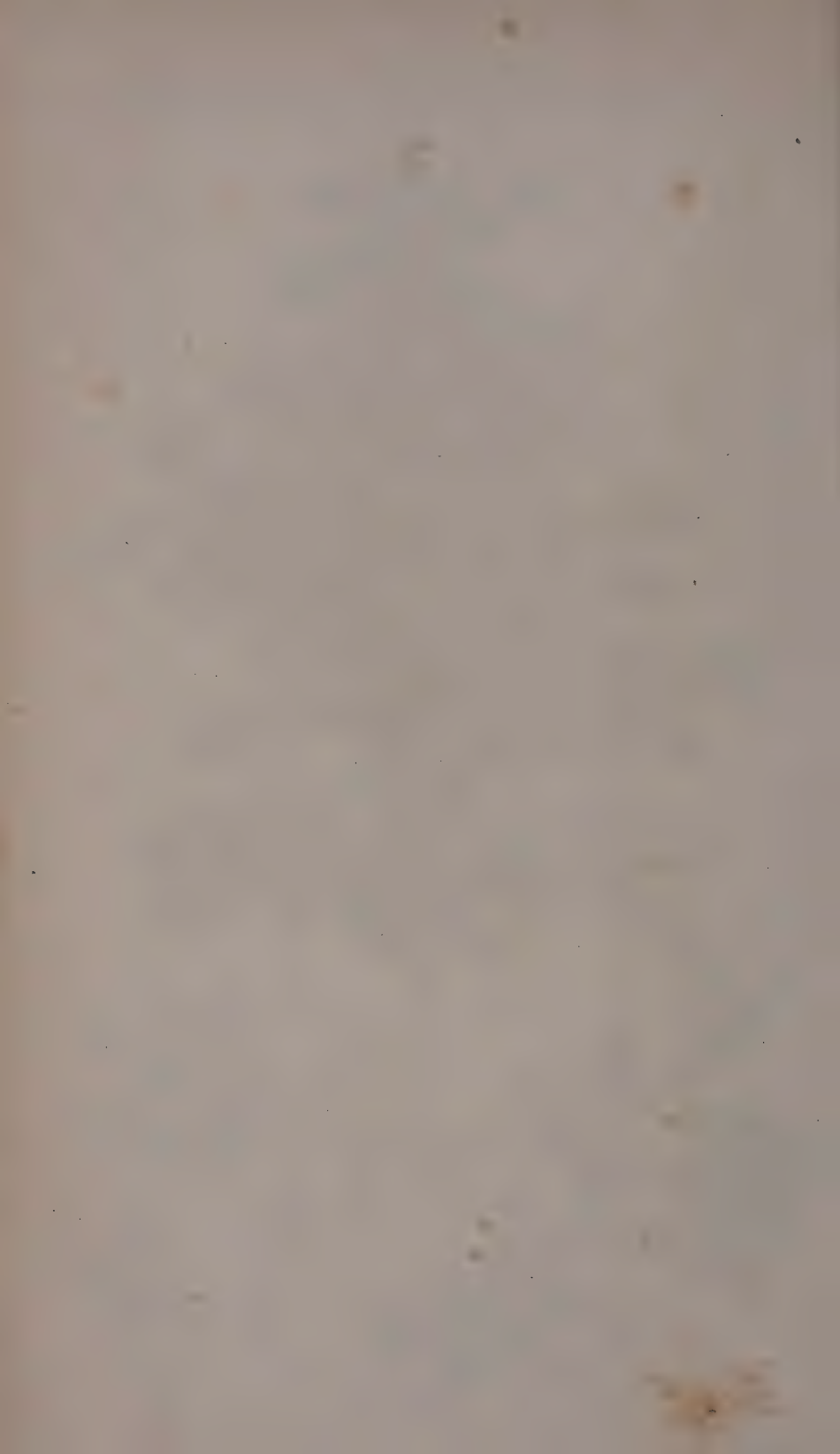
20 ft. high, 4 in. diam.

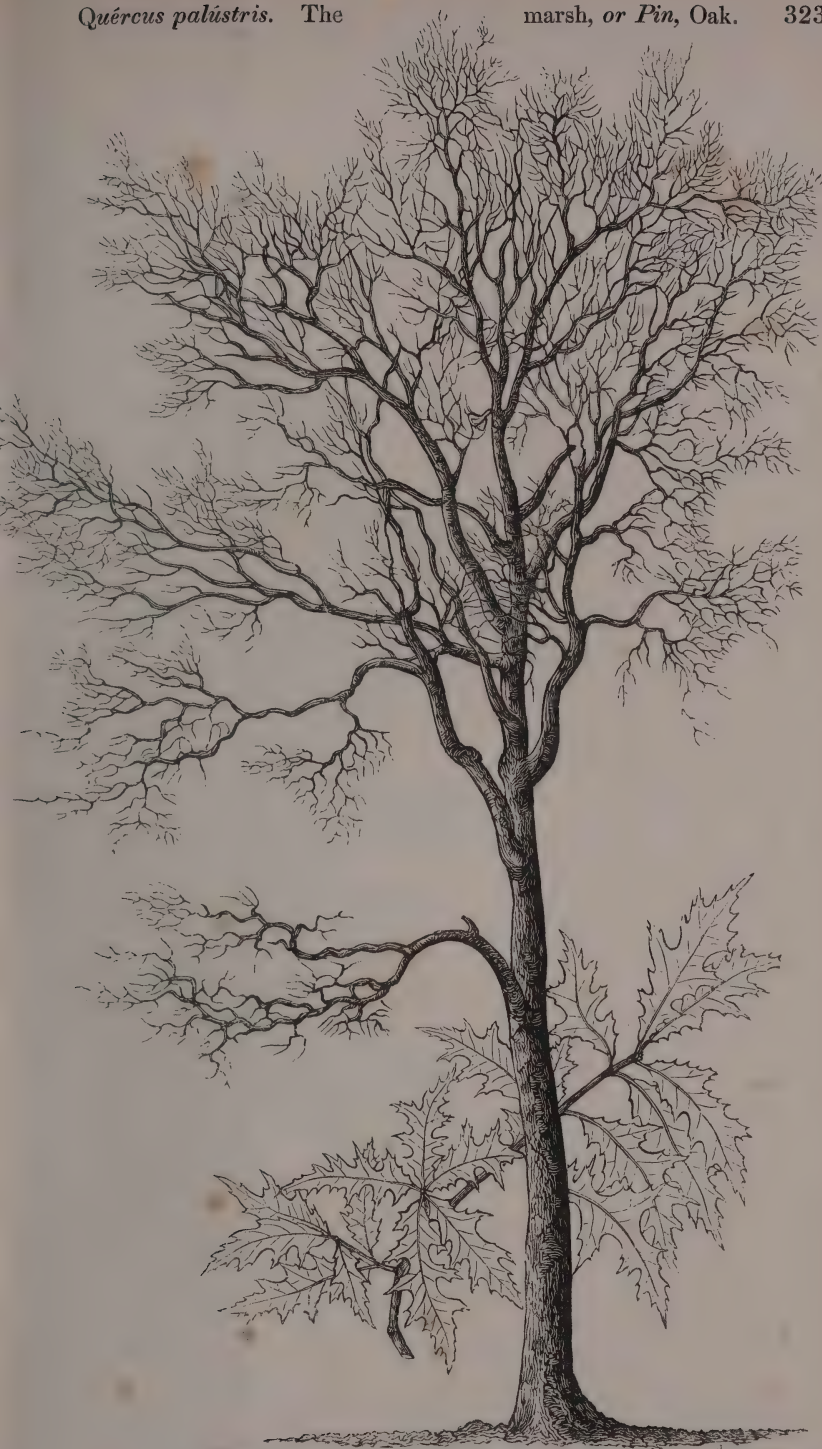












Full-grown tree at Syon, 90 ft. high ; diam. of the trunk 6 ft., and of the head 48 ft.  
[Scale 1 in. to 12 ft.] ;



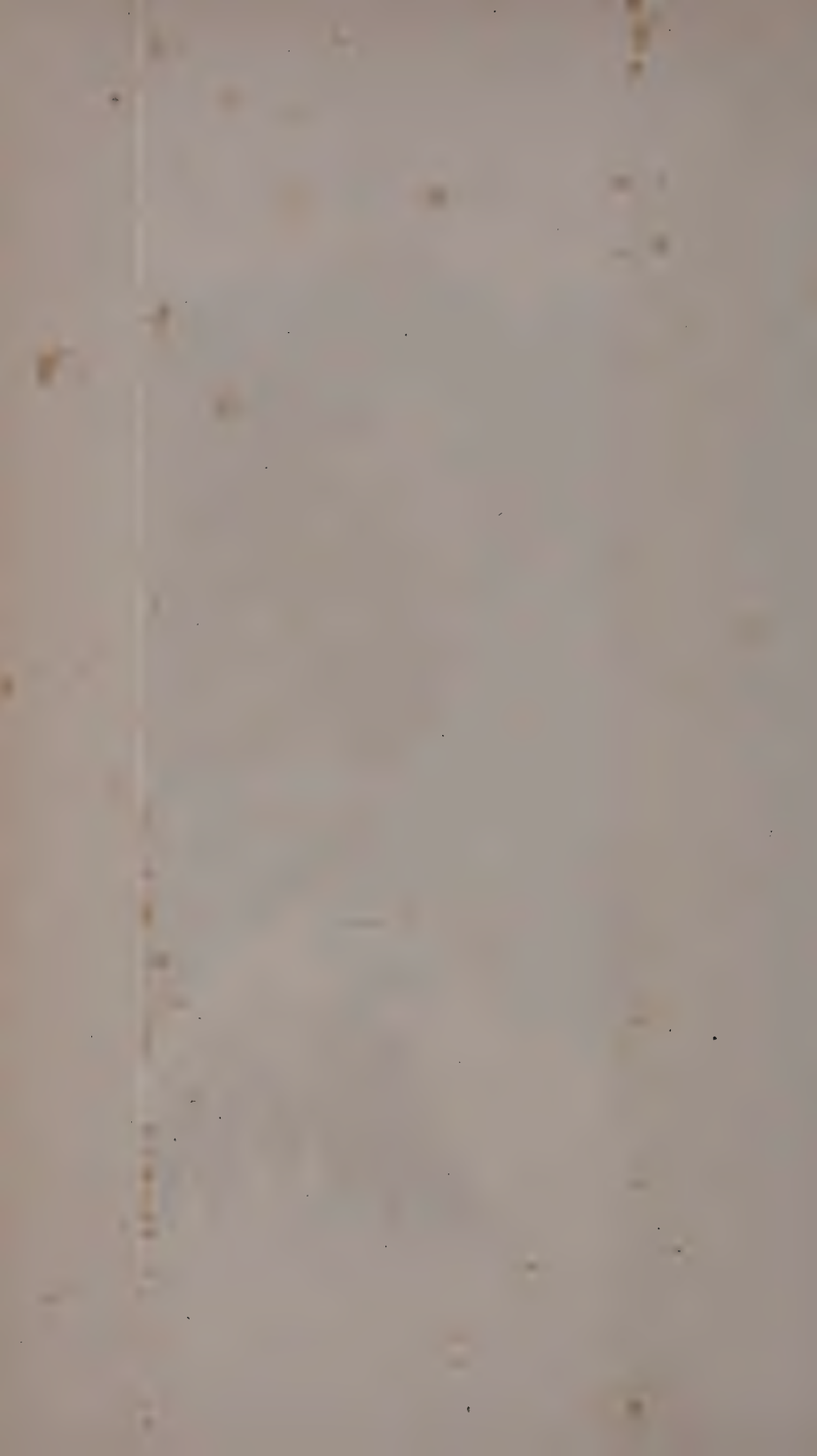
*Quercus Phellos.*

The Phellos, or *Willow-leaved*, Oak.



Full-grown tree at Syon, 83 ft. high; diam. of the trunk 3 ft., and of the head 61 ft.  
[Scale 1 in. to 12 ft.]

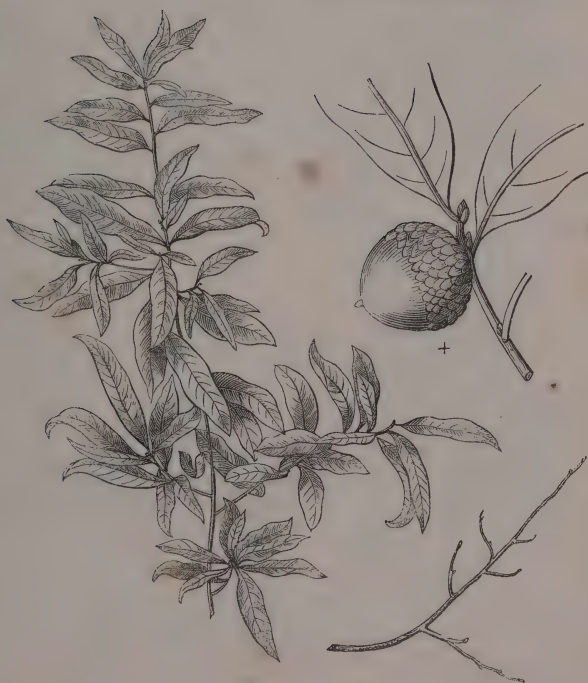


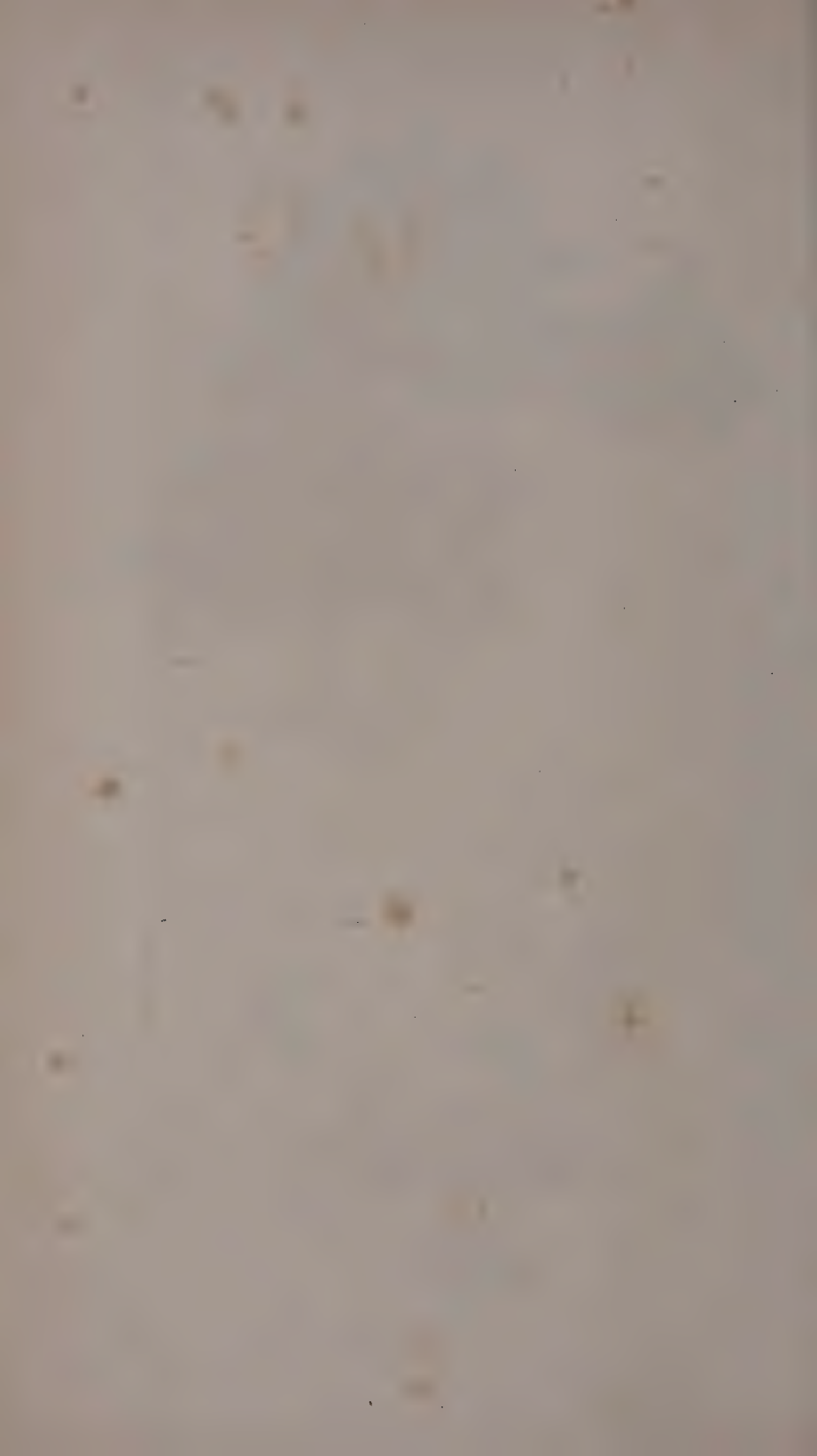


The broad-leaved Willow Oak.



13 ft. high,  $3\frac{1}{4}$  in. diam.





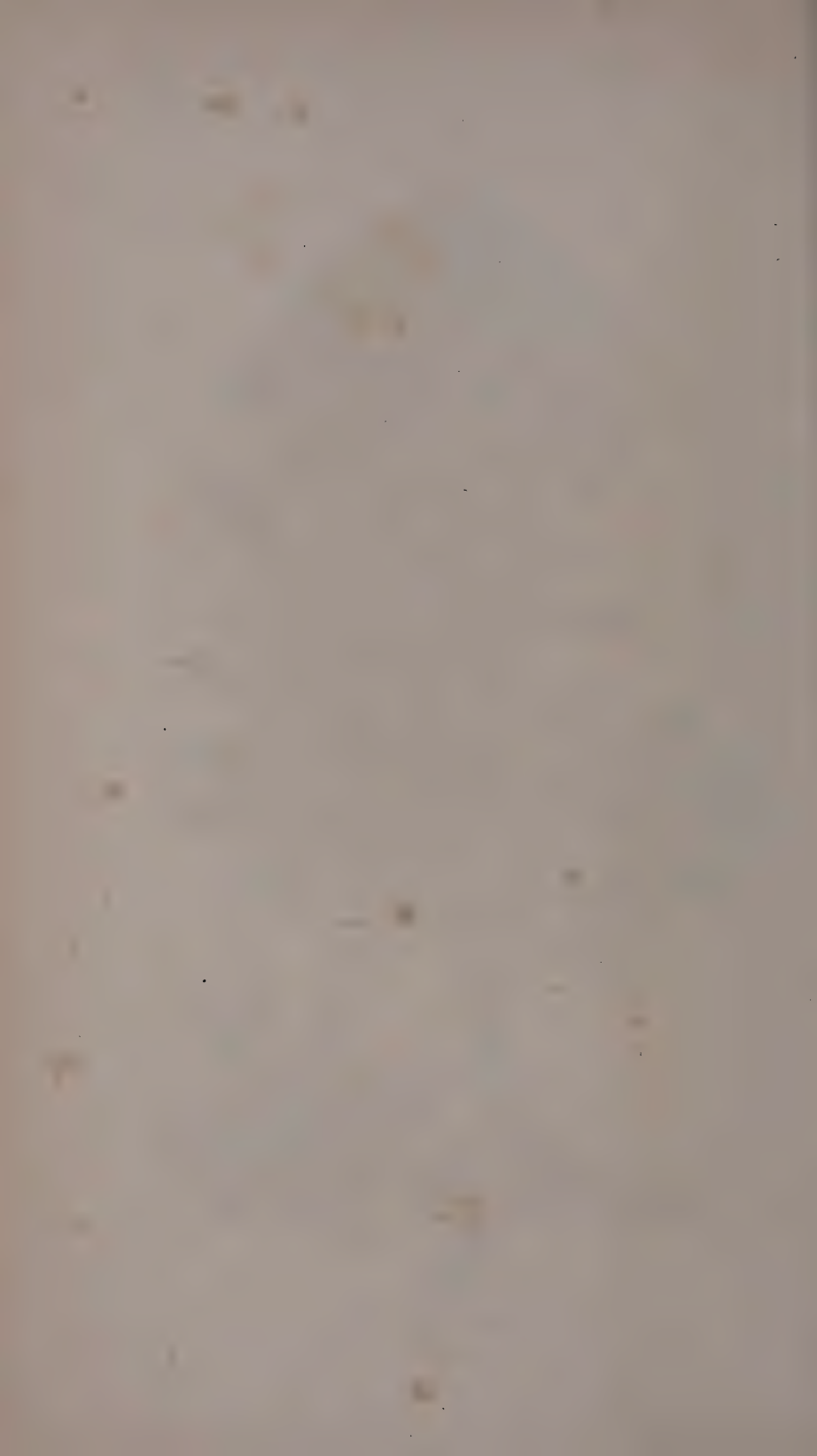
*Quercus Ilex.*

The Holly, or evergreen, Oak.



Full-grown tree at Syon, 75 ft. high.  
[Scale 1 in. to 12 ft.]

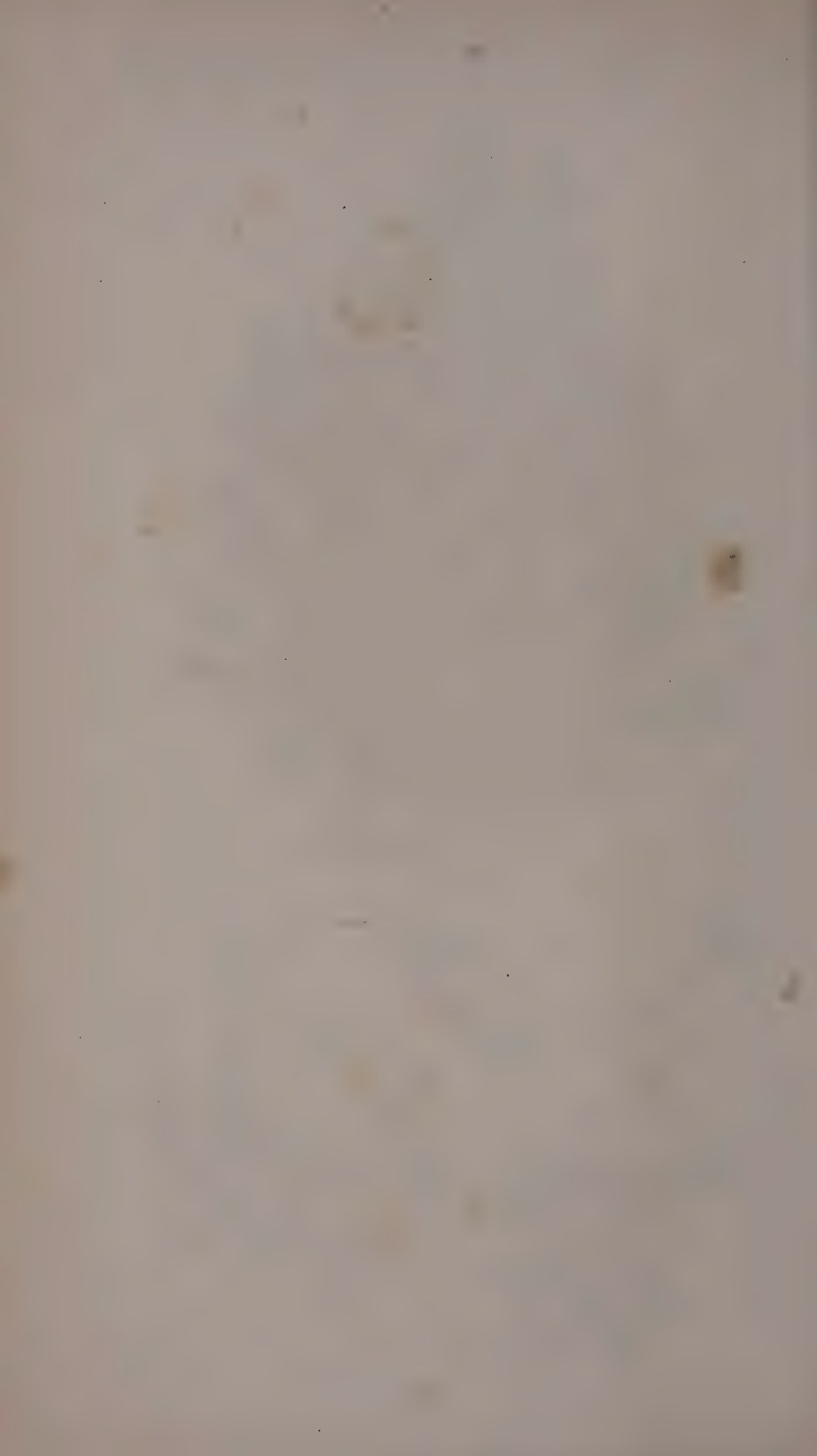






17 ft. high, 6½ in. diam.



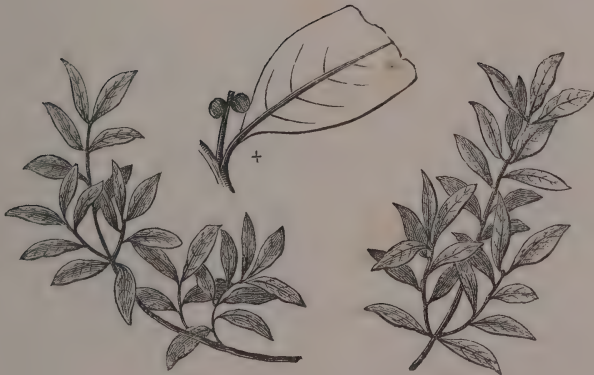


*Quercus Ilex longifolia.*

The long-leaved Ilex, or Holm, Oak.



13 ft. high, 4 in. diam.

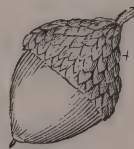






*Quercus gramuntia.*The Grammont, or *Spanish*, Oak.

Full-grown tree at Purser's Cross, 42 ft. high; diam. of the trunk 2 ft., and of the head 30 ft.  
[Scale 1 in. to 12 ft.]





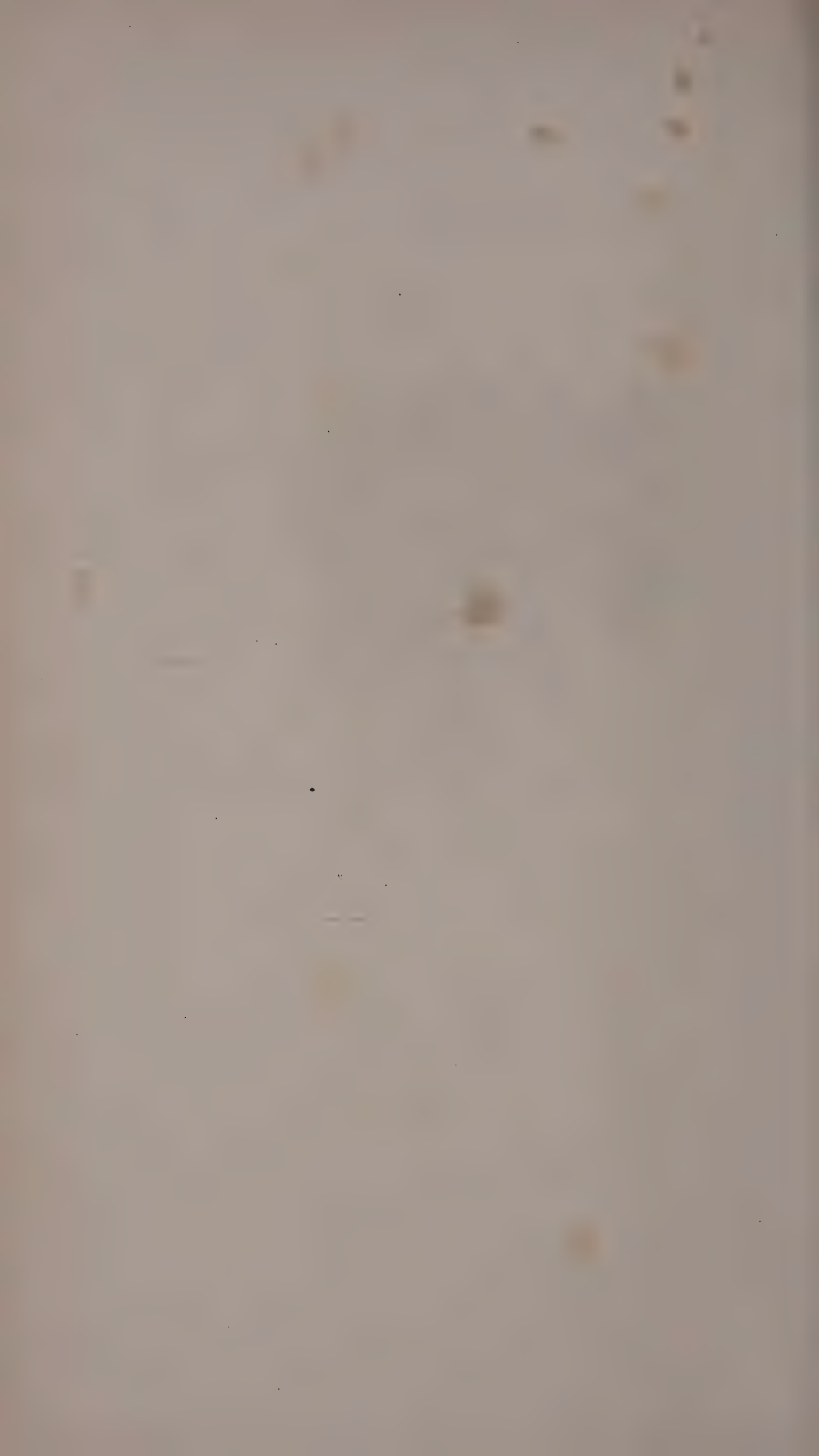
*Quercus Sùber.*  
The Cork tree Oak.



Full-grown tree in the Fulham Nursery, 27 ft. high ; diam. of the trunk 2 ft., and of the head 27 ft.  
[Scale 1 in. to 12 ft.]







*Quercus Süber.*

The Cork tree.



Full-grown tree at Muswell Hill, 40 ft. high ; diam. of the trunk  $1\frac{1}{2}$  ft.  
[Scale 1 in. to 12 ft.]





*Quercus Süber dentatum.*

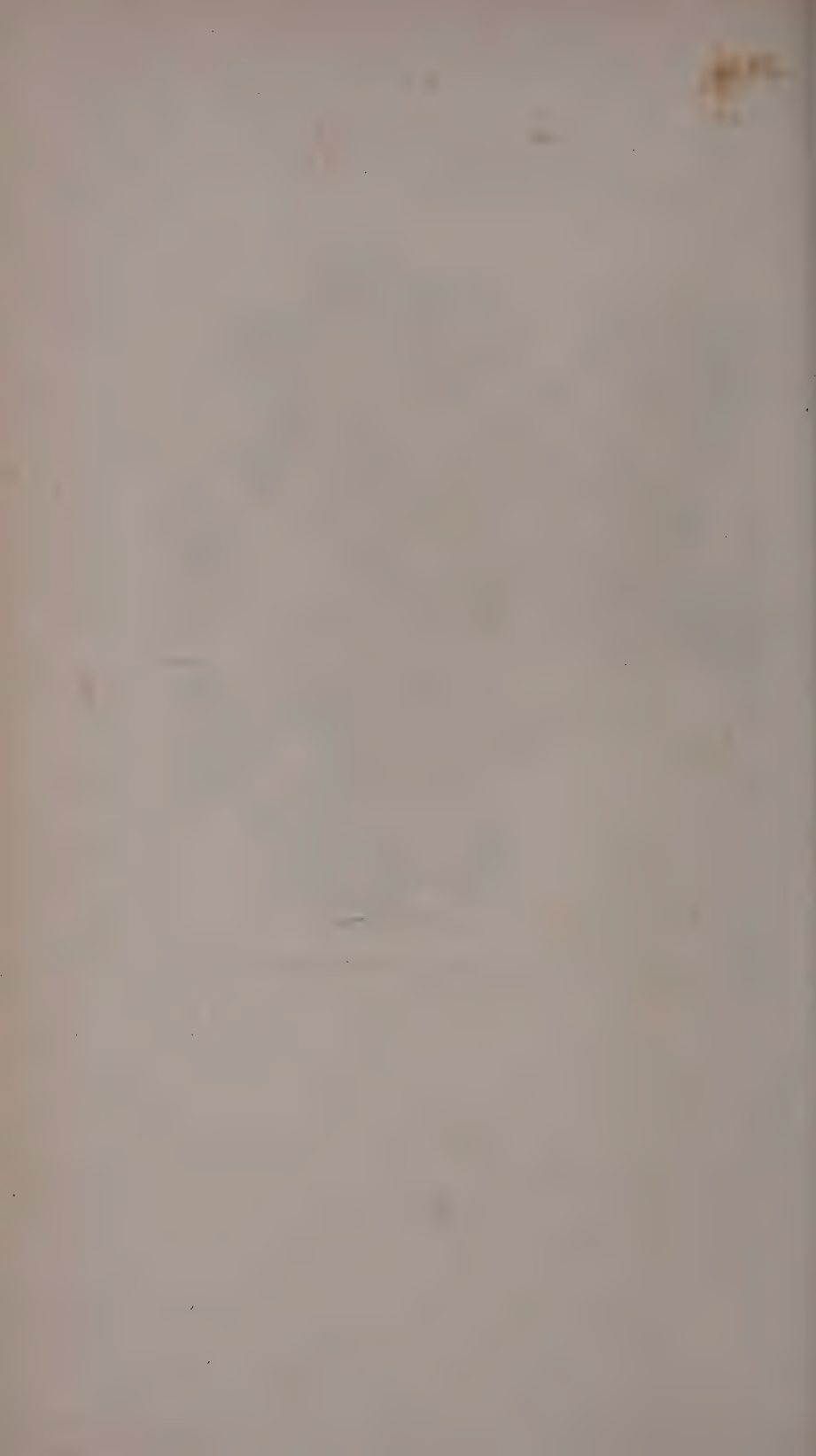
The toothed-leaved Cork tree.



Full-grown tree at Muswell Hill, 50 ft. high; diam. of the trunk  $1\frac{1}{2}$  ft., and of the head 45 ft.  
[Scale 1 in. to 12 ft.]







The green, or *Live*, Oak.



16 ft. high, 2½ in. diam.







22 ft. high, 6 in. diam.





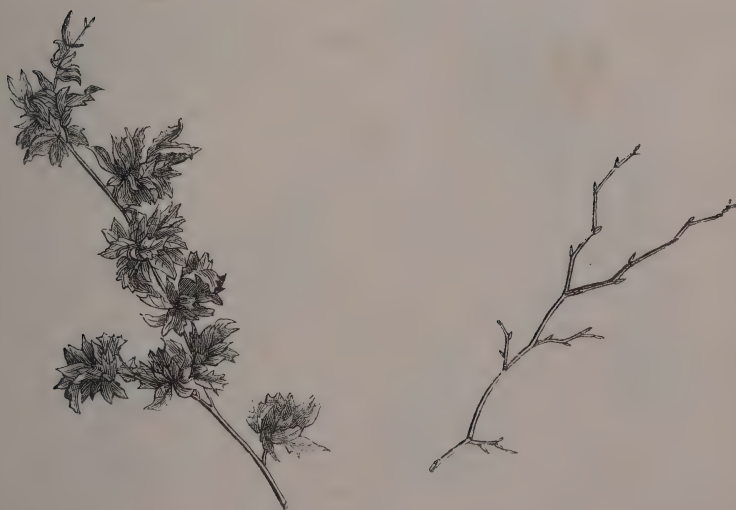


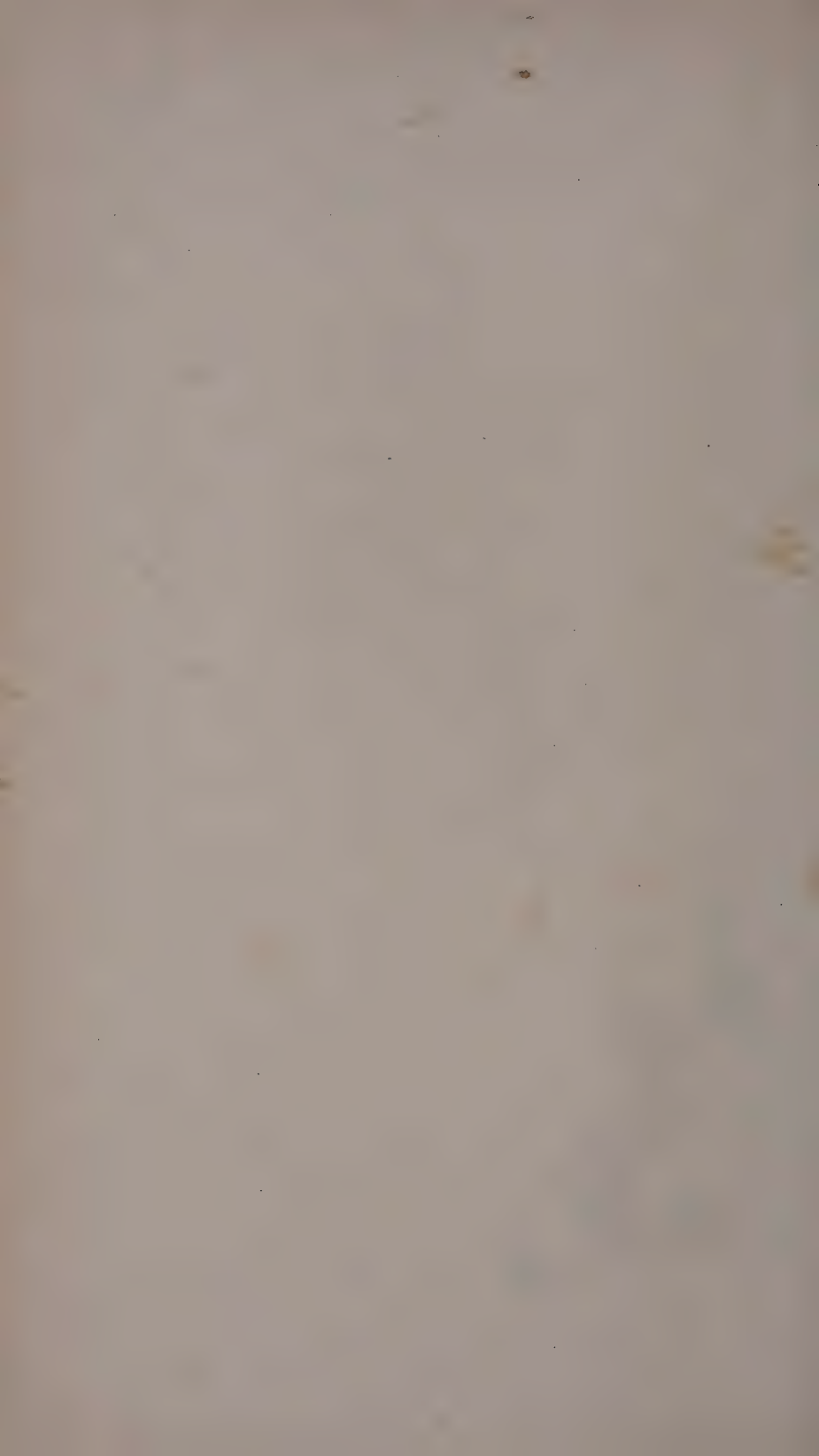
*Fâgus sylvâtica cristâtâ* (syn. *crîspa*).

The crested, or curled-leaved, wood Beech.



13 ft. high, 2½ in. diam.





*Fagus sylvatica pëndula.*The pendulous-*branched* wood Beech.

14 ft. high, 3½ in. diam.







*Fâgus sylvâtica pëndula.*

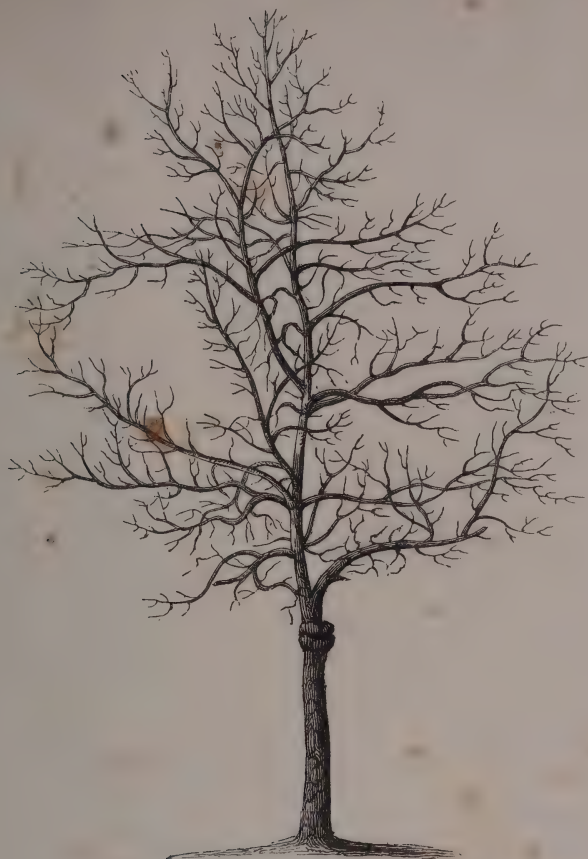
The pendulous-*branched* wood Beech.



Full-grown tree at Oundle, 50 ft. high.  
[Scale 1 in. to 12 ft.]







18 ft. high, 8 in. diam.



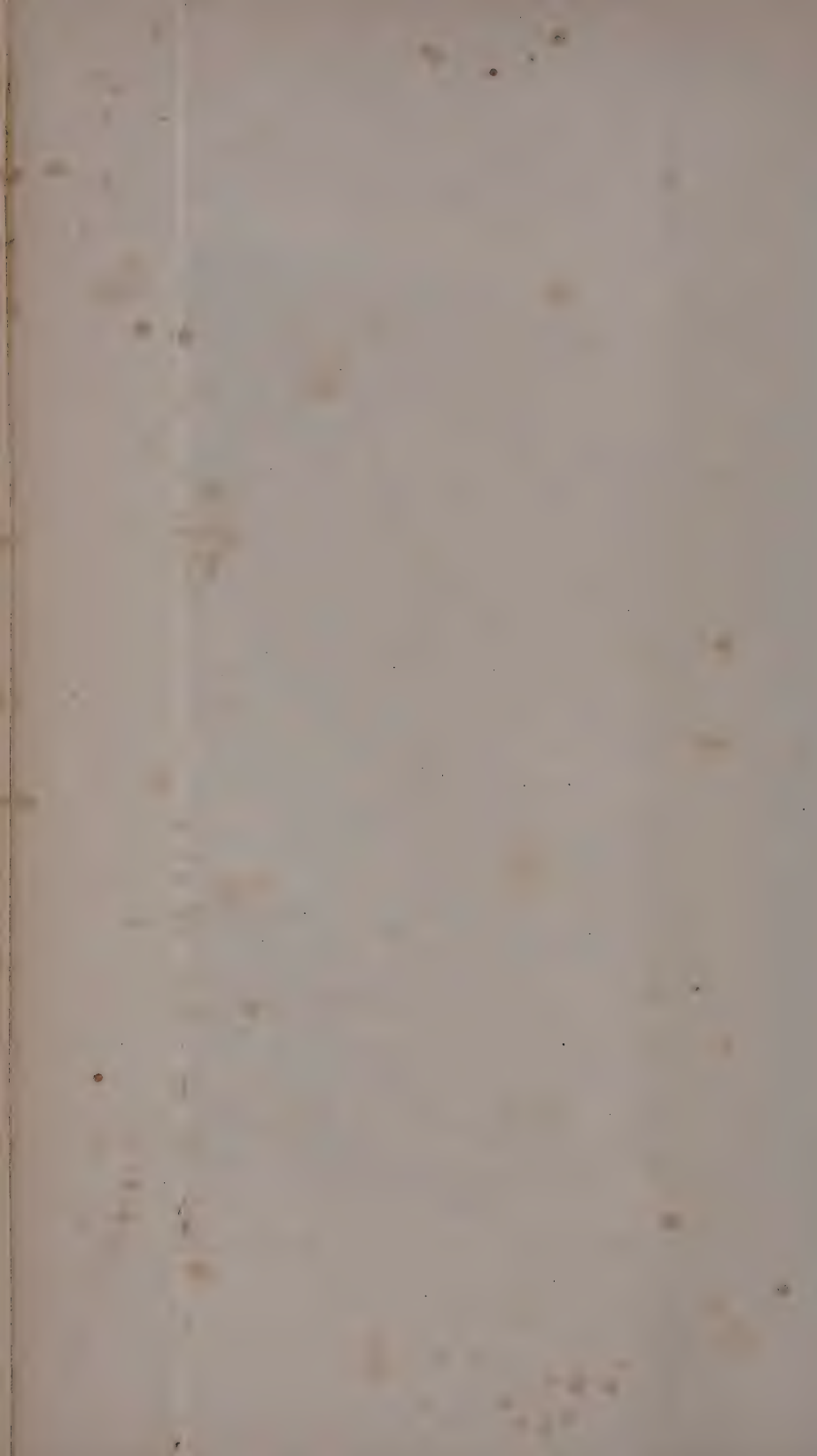


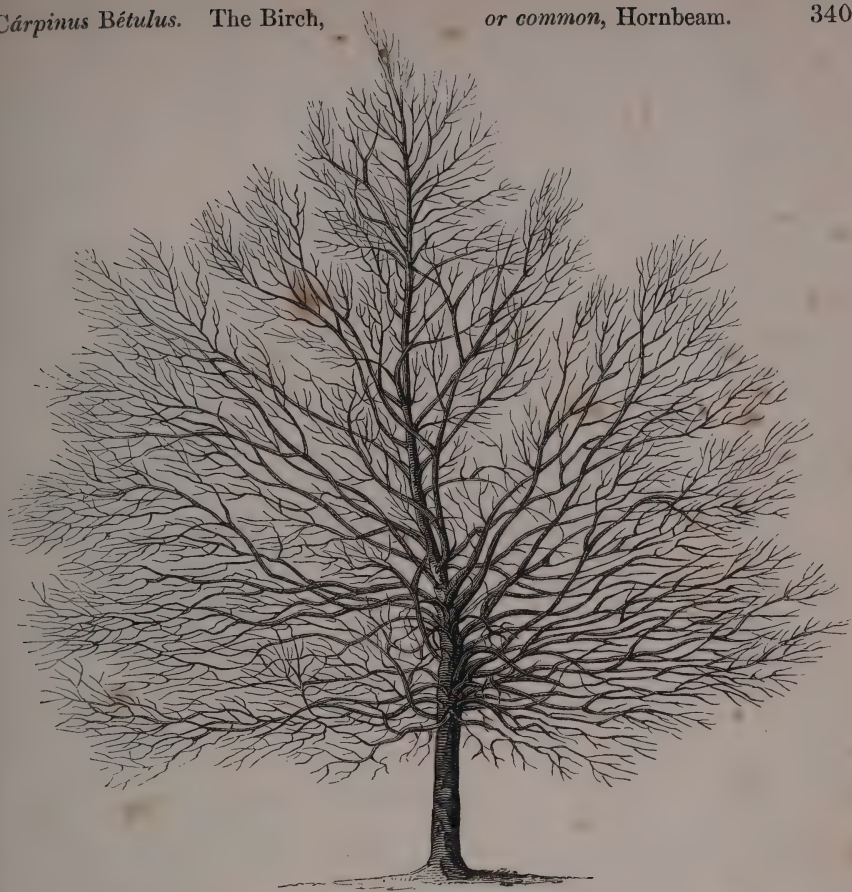


*Castanea vesca.*  
The eatable, or Sweet, Chestnut.



Full-grown tree at Muswell Hill, 66 ft. high; diam. of the trunk 8 ft., and of the head 60 ft.  
[Scale 1 in. to 12 ft.]

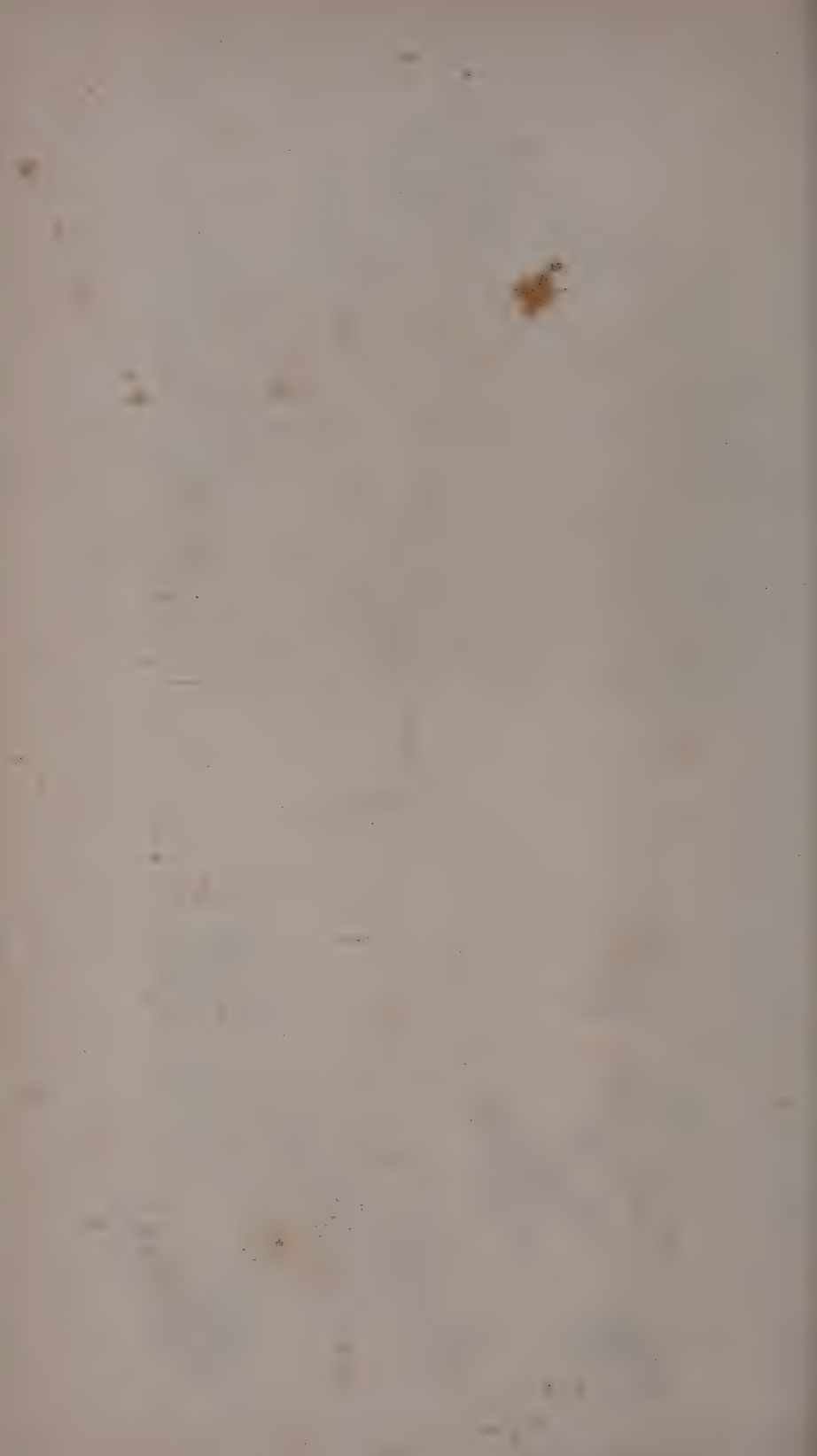




17½ ft. high, 8 in. diam.



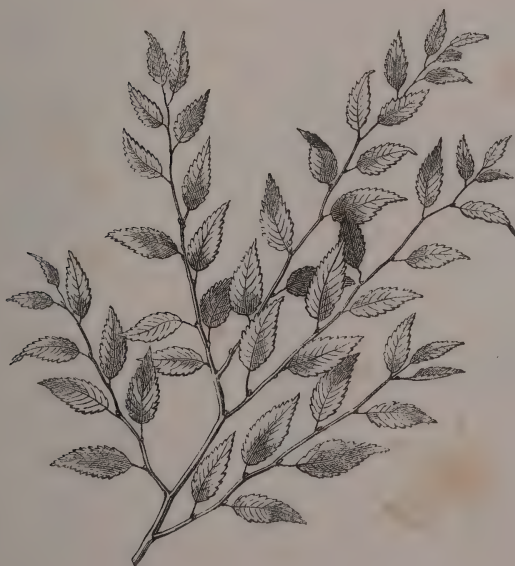




The Birch-like, or common, Hornbeam.



Full-grown tree at Chiswick Villa, 45 ft. high.  
[Scale 1 in. to 12 ft.]



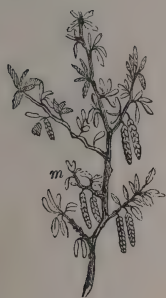


*Ostrya vulgàris.*  
The common Hop Hornbeam.

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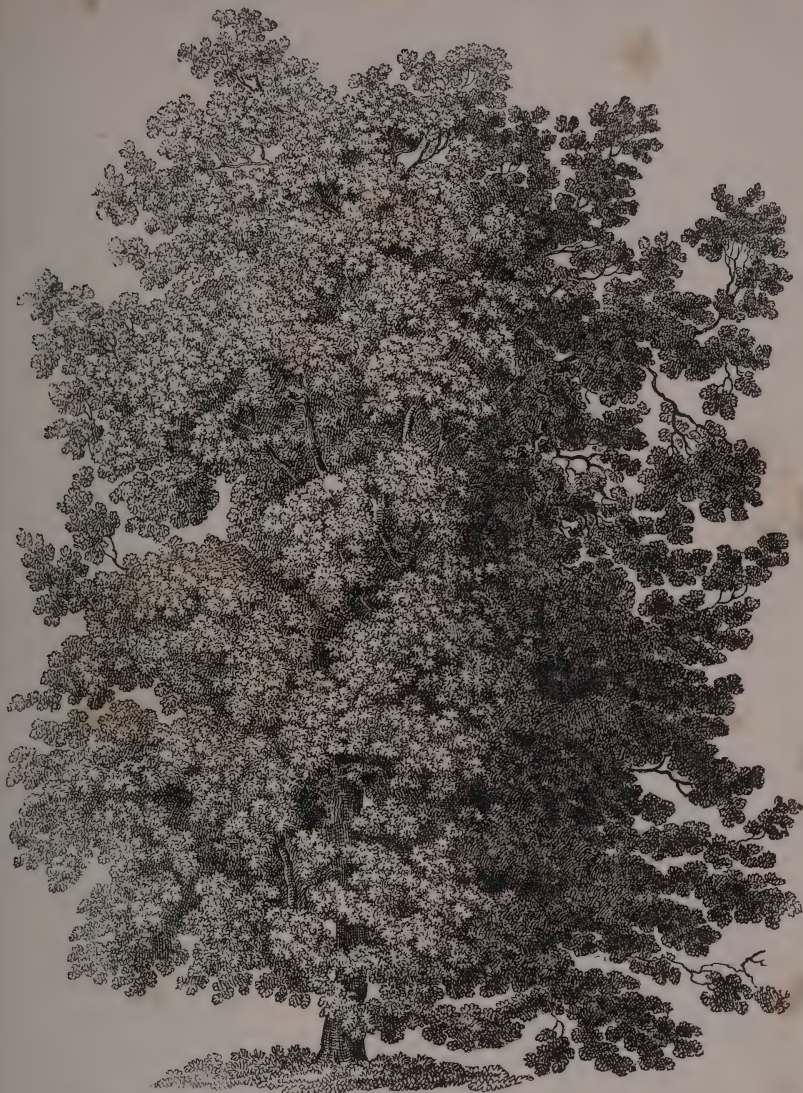


13 ft. high, 5½ in. diam.









Full-grown tree at Kew, 66 ft. high ; diam. of the trunk 3 ft., and of the head 54 ft.  
[Scale 1 in. to 12 ft.]





*Ostrya virginica.*

The Virginian Hop Hornbeam.



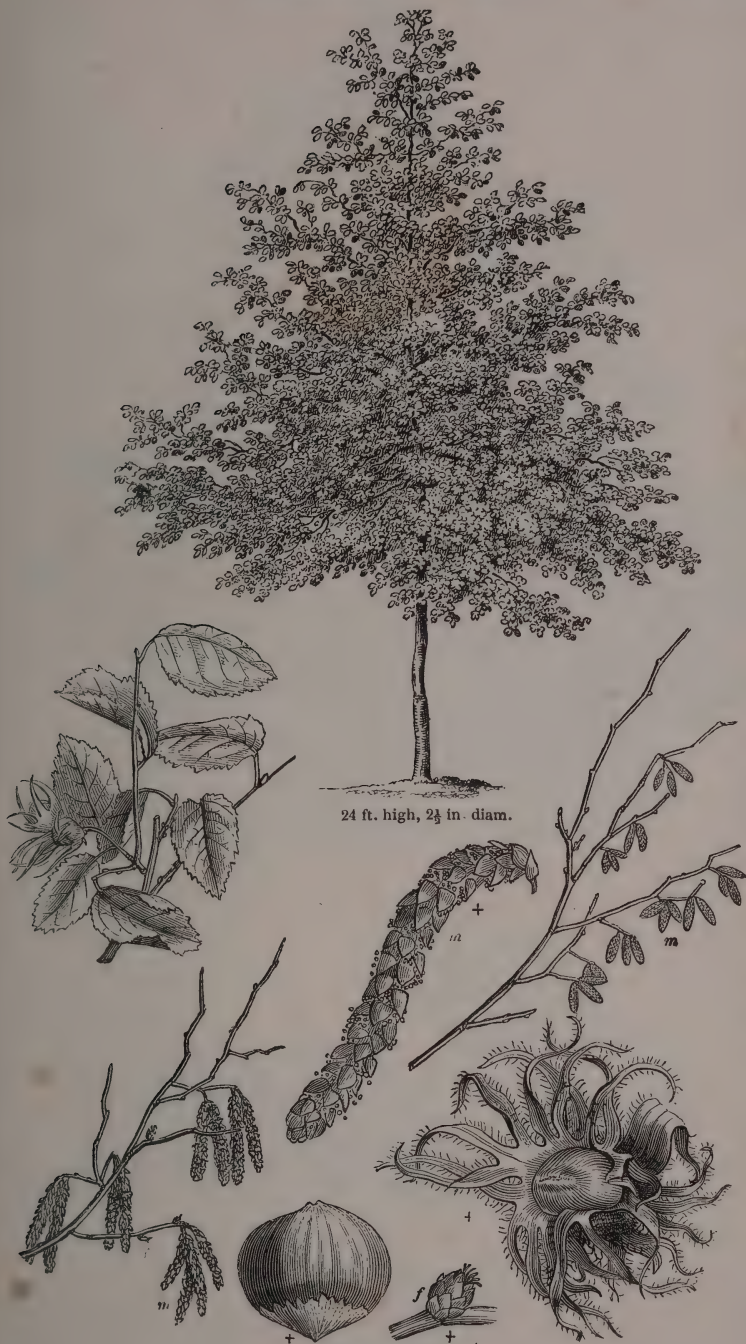
10 ft. high, 4 in diam.







The Constantinople Hazel.







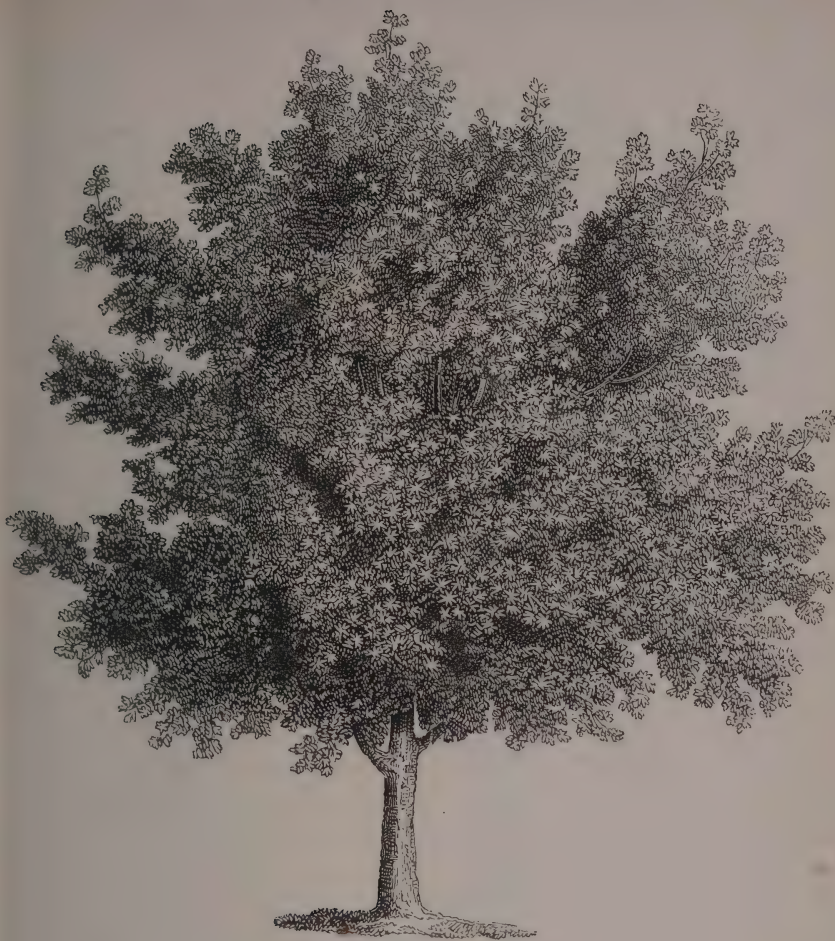
The Constantinople Hazel.



Full-grown tree at Syon, 61 ft. high.







18 ft. high, 9 in. diam.









19 ft. high, 6 in. diam.







20 ft. high, 6 in. diam.





*Plátanus orientális acerifolia.*

The Maple-leaved Oriental Plane tree.



Full-grown tree at Elmshurst, Finchley, 55 ft. 6 in. high; diam. of trunk 3 ft., and of head 38 ft.  
[Scale 1 in. to 12 ft.]





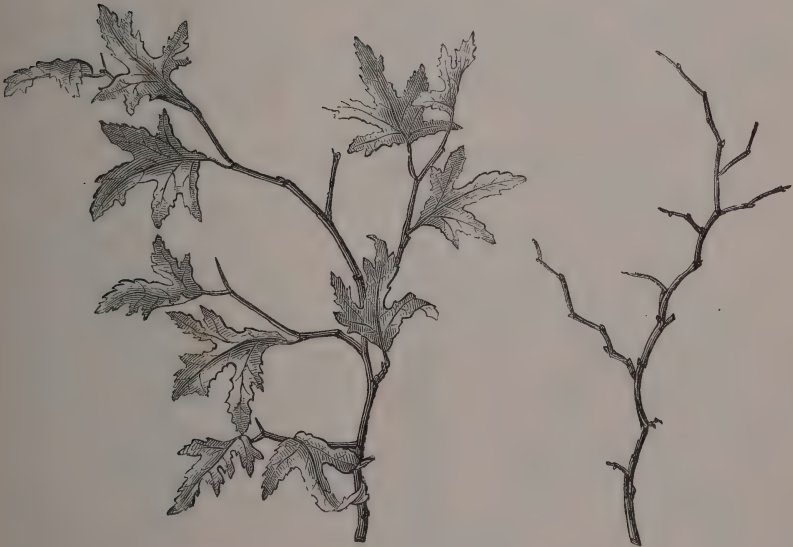


*Plátanus orientàlis cuneàta.*

The wedge-shaped-*leaved* Oriental Plane.



13 ft. high, 6 in. diam.







30 ft. high, 10 in. diam.





*Liquidambar Styraciflua.*  
The Sweet Gum Liquidambar.



11 ft. high, 3 in. diam.



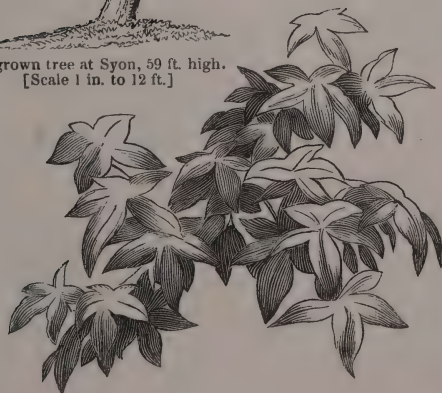


*Liquidámbar Styracíflua.*  
The Sweet Gum Liquidambar.

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Full-grown tree at Syon, 59 ft. high.  
[Scale 1 in. to 12 ft.]





*Taxus baccata.*

The berried, or common, Yew.

11 ft. high,  $3\frac{1}{2}$  in. diam.



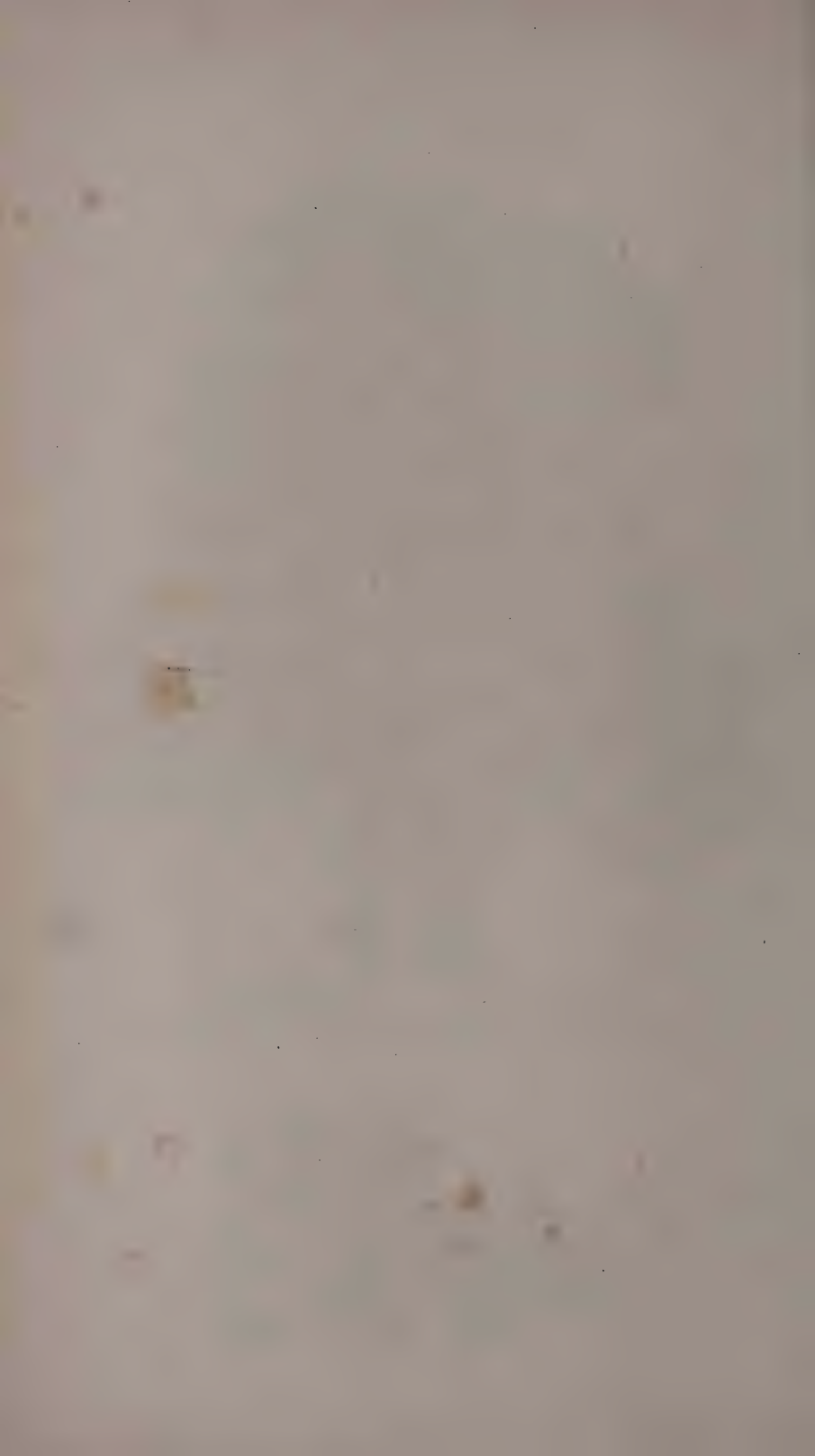


The berried, or common, Yew.



Full-grown tree in Harlington Churchyard, 58 ft. high ; diam. of trunk 9 ft., and of head 50 ft.  
[Scale 1 in. to 12 ft.]





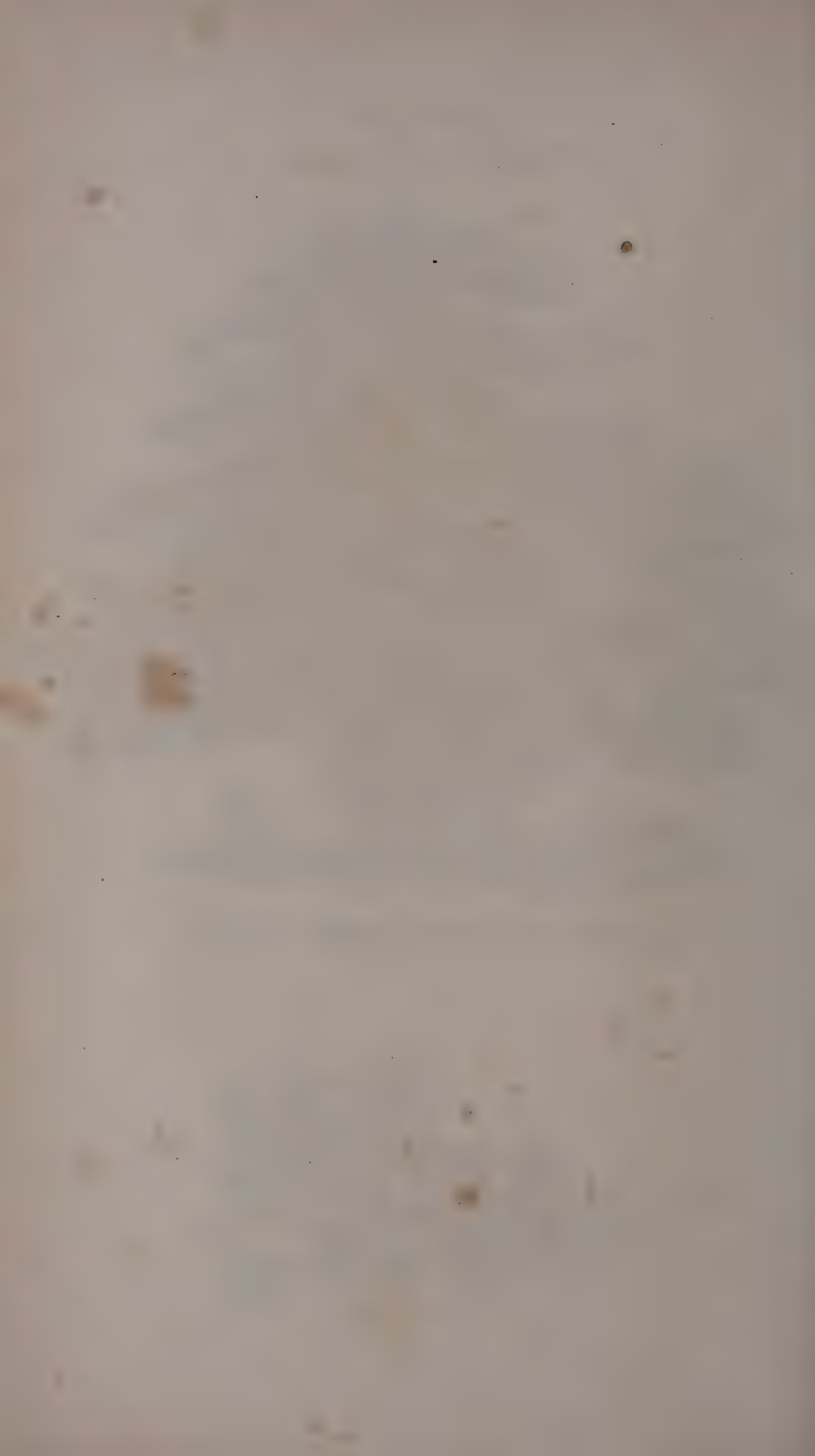
*Tárus baccàta.*

The berried, or common, Yew.



Full-grown tree in Darley Churchyard, Derbyshire, 55 ft. high ;  
diameter of the trunk 19 ft. 3 in. at 6 ft. from the ground, and of the head 70 ft.  
[Scale 1 in. to 15 ft.]







*Tárus baccàta fastigiàta.*  
The upright berried, or Irish, Yew.



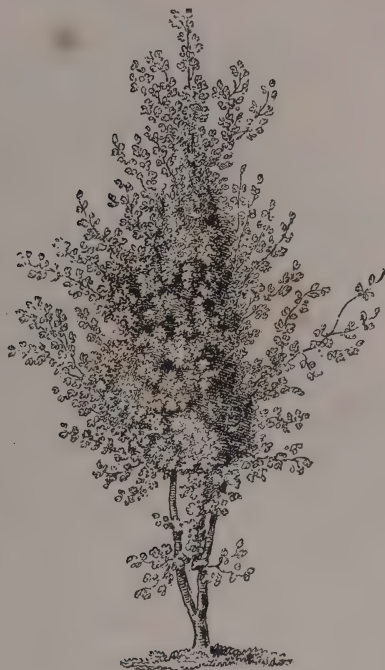
11 ft. high, 4 in. diam.





*Salisbùria adiantifolia.*

The Maiden-hair-leaved Salisburia, or *Ginkgo* tree.

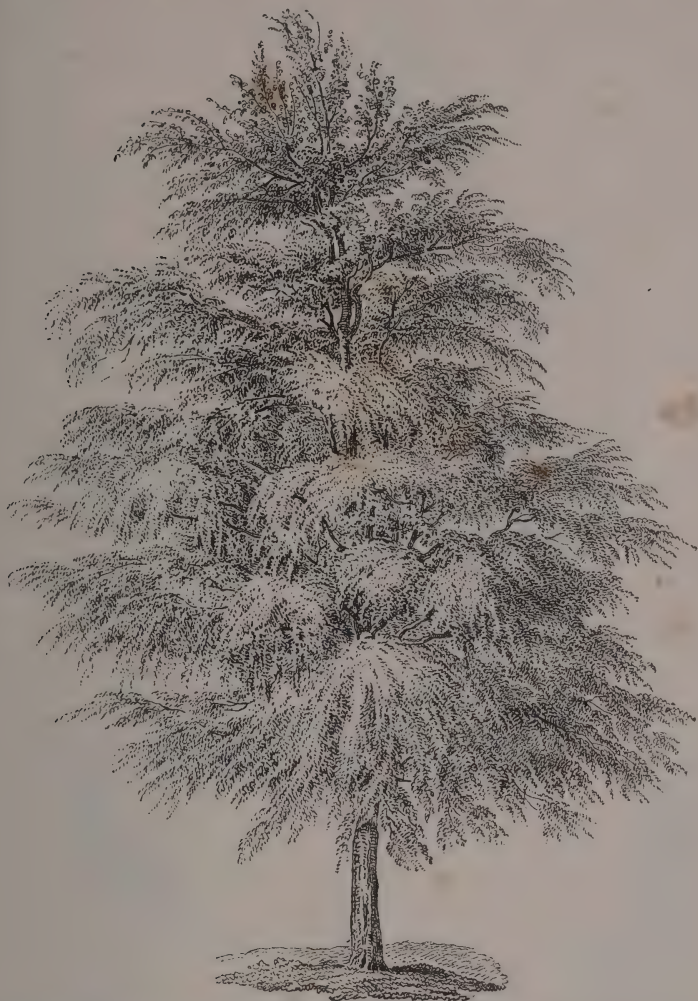


14 ft. high,  $2\frac{1}{2}$  in. diam.





The Maiden-hair-leaved Salisburia, or *Ginkgo* tree.



The parent tree in the Mile End Nursery, 57 ft. high ; diam. of trunk 3 ft., and of head 45 ft.  
[Scale 1 in. to 12 ft.]



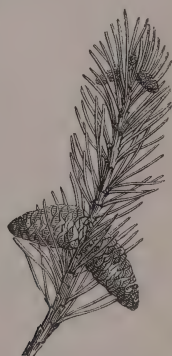




The wood, or common Scotch, Pine.



15 ft. high, 4 in. diam.



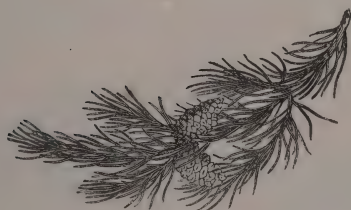


*Pinus sylvestris.*

The wood, or common Scotch, Pine.



Full-grown tree at Pain's Hill, 60 ft. high ; diam. of the head 40 ft.  
[Scale 1 in. to 12 ft.]





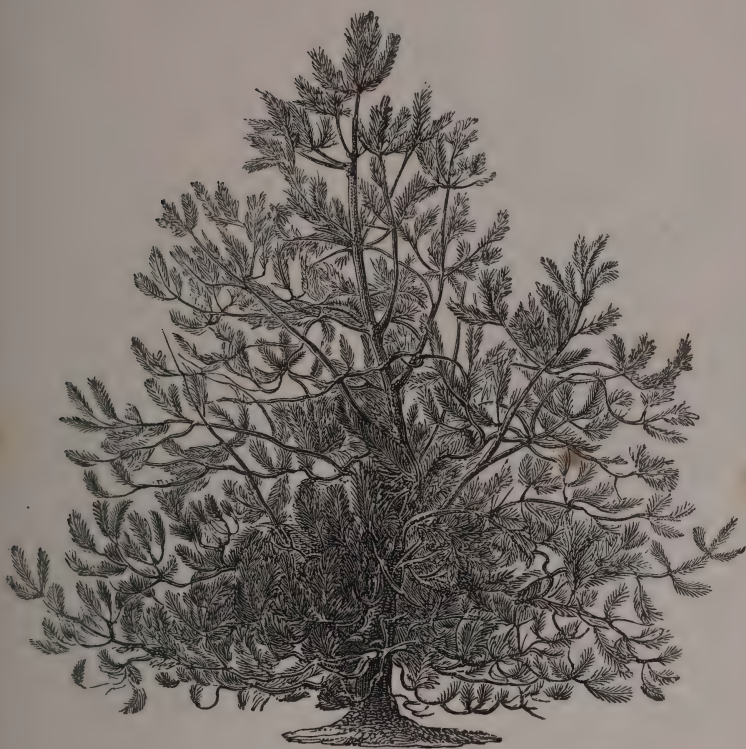




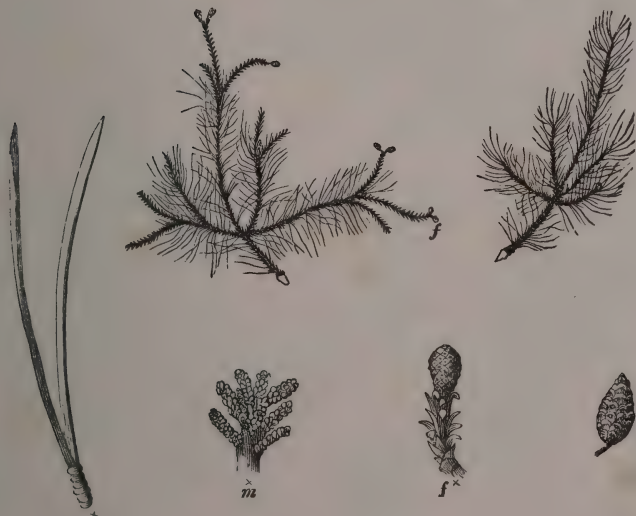
Full-grown tree at Muswell Hill, 70 ft. high ; diam. of the trunk 4 ft. 6 in., and of the head 43 ft.





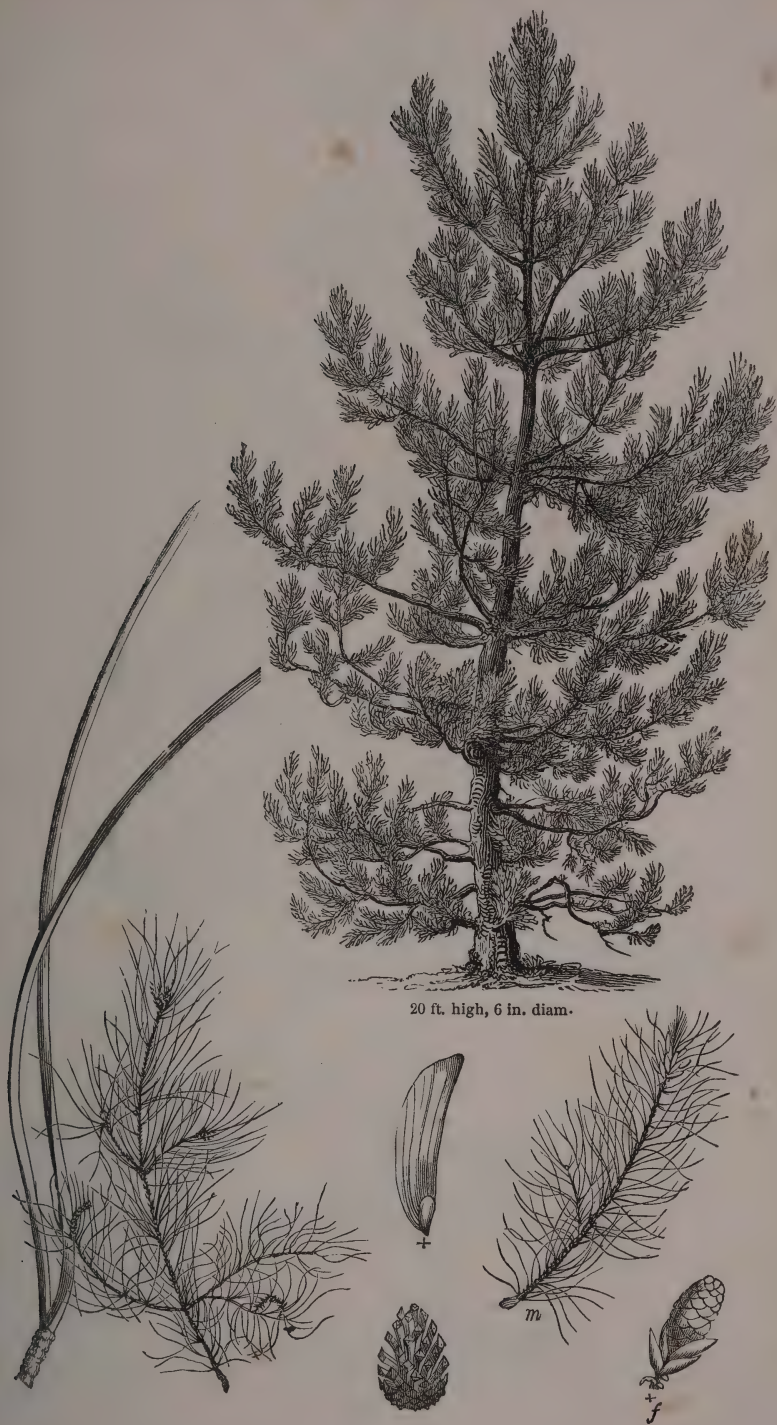


15 ft. high, 8 in. diam.



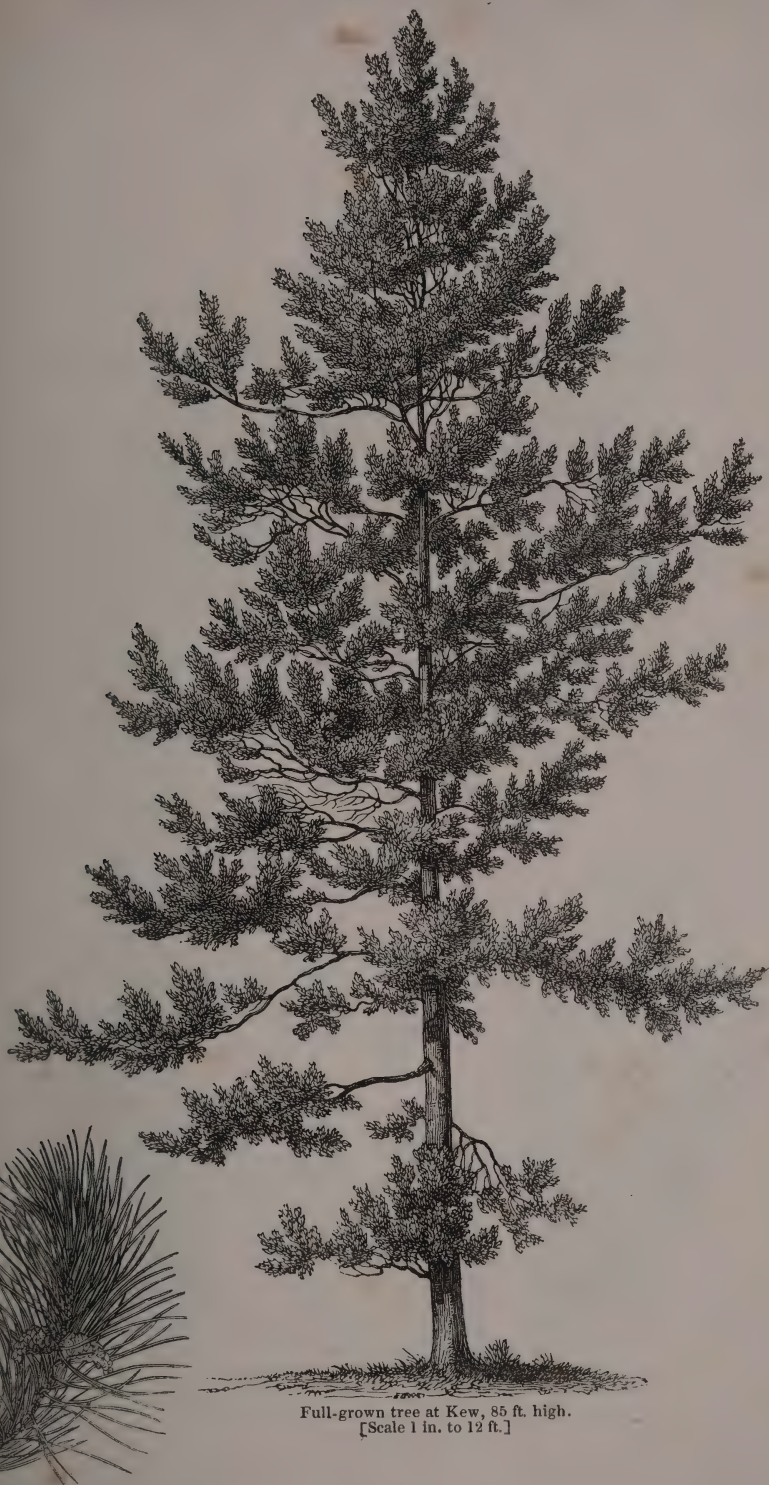












Full-grown tree at Kew, 85 ft. high.  
[Scale 1 in. to 12 ft.]



The *Taurian*, or Pallas's, Pine.



15 ft. high, 8 in diam.







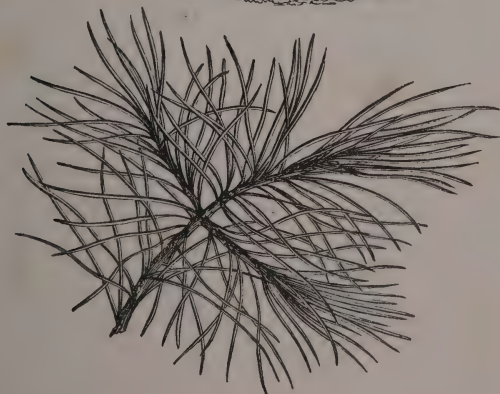
The Pinaster, or Cluster Pine.







Full-grown tree at Hendon, 70 ft. high ;  
diam. of the trunk 2 ft., and of the head 50 ft.  
[Scale 1 in. to 12 ft.]



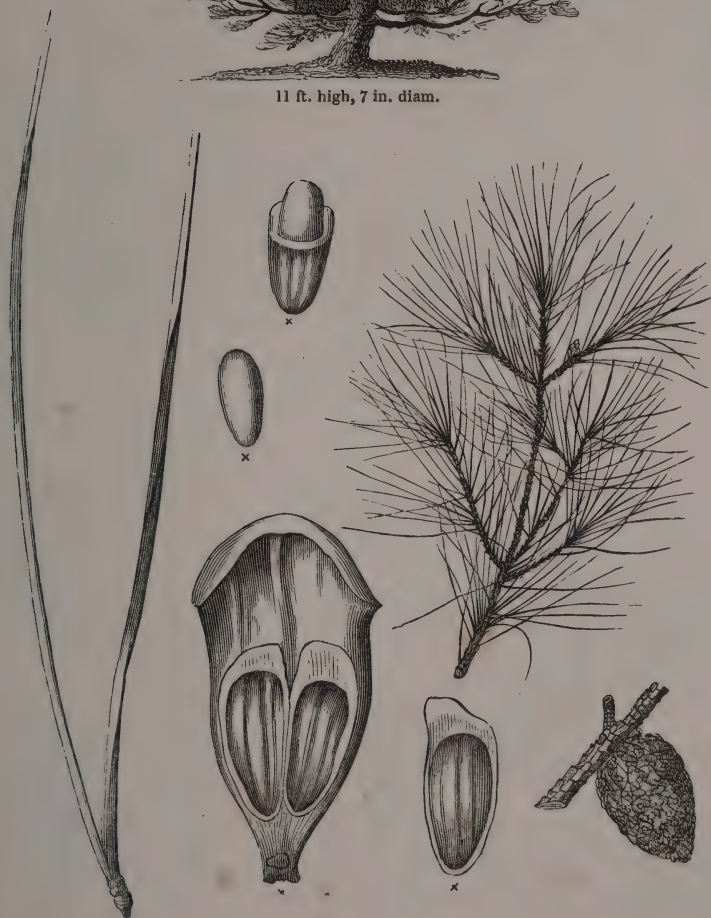




*The Stone, or Kernel, Pine.*



11 ft. high, 7 in. diam.









18 ft. high, 7 in. diam.





*Pinus Tæda.*

The Frankincense Pine.



Full-grown tree at Syon, 75 ft. high.  
[Scale 1 in. to 12 ft.]





*Pinus rigida.*

The rigid, or *American Pitch*, Pine.



Tree at Dropmore, 33 ft. high.  
[Scale 1 in. to 8 ft.]

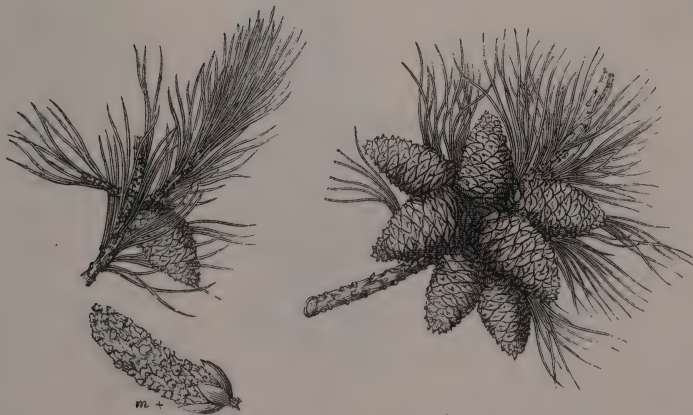


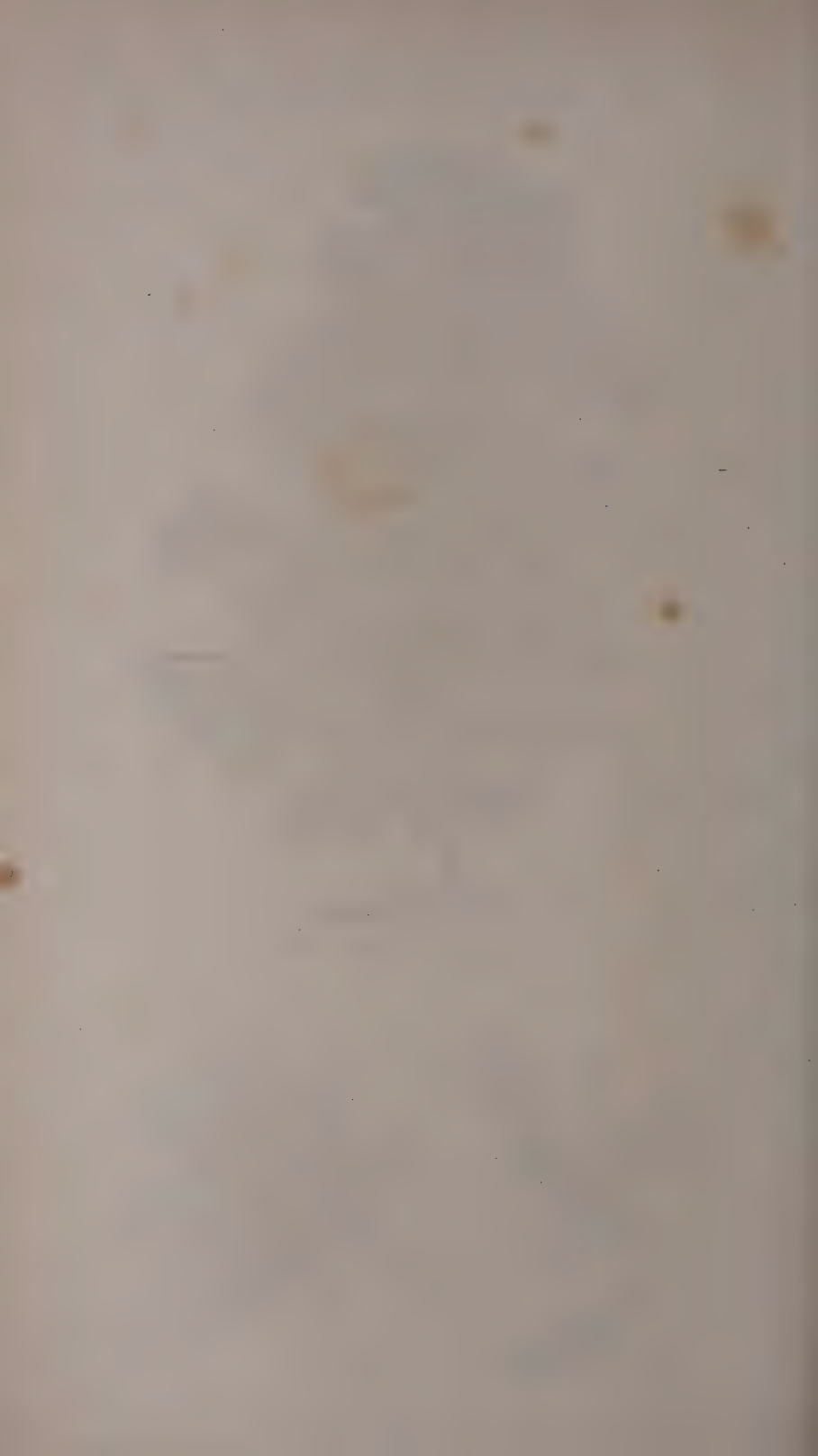


The rigid, or American Pitch, Pine.



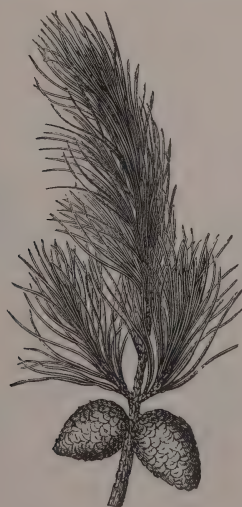
Full-grown tree at Pain's Hill, 50 ft. high.  
[Scale 1 in. to 12 ft.]



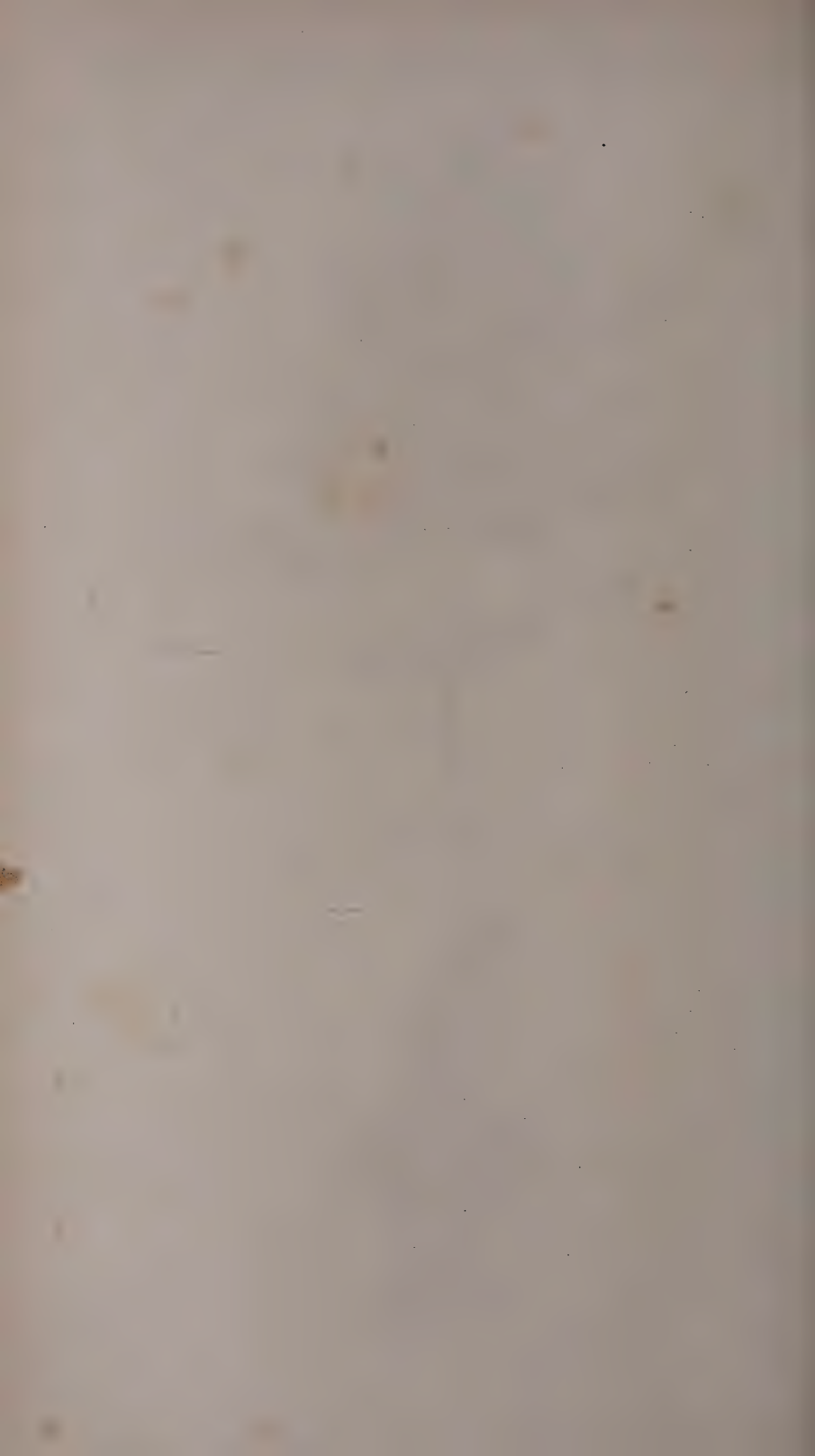




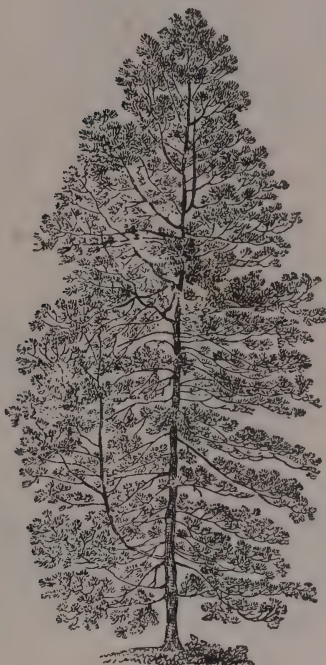
Tree at Dropmore, 32 ft. high. [Scale 1 in. to 12 ft.]







*Pinus Cémbra.*  
The Cembran, or *Siberian*, Pine.

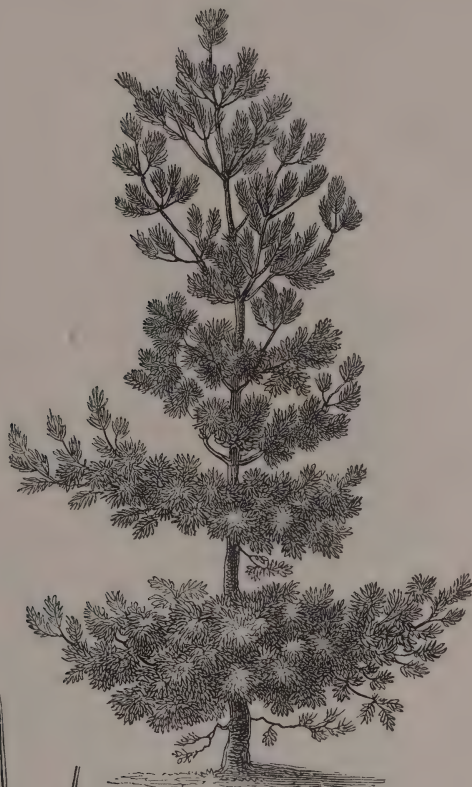


Full-grown tree at Kew, 40 ft. high.  
[Scale 1 in. to 12 ft.]





The Strobilus, or *Weymouth*, Pine.



16 ft. high, 6 in. diam.









18 ft. high,  $3\frac{1}{2}$  in. diam.







Full-grown tree at Syon, 93 ft. high.  
[Scale 1 in. to 12 ft.]







Full-grown tree at Studley, 132 ft. high; diam. of the trunk  $6\frac{1}{2}$  ft., and of the head 39 ft.  
[Scale 1 in. to 24 ft.]









Full-grown tree at Studley, 121 ft. high ; diam. of the trunk 3 ft. 4 in., and of the head 46 ft. 6 in.  
[Scale 1 in. to 24 ft.]





*Abies álba.*  
The white Spruce Fir.



14 ft. high,  $3\frac{1}{2}$  in. diam.







*Abies Smithiana.*

Smith's, or the *Himalayan*, Spruce Fir.



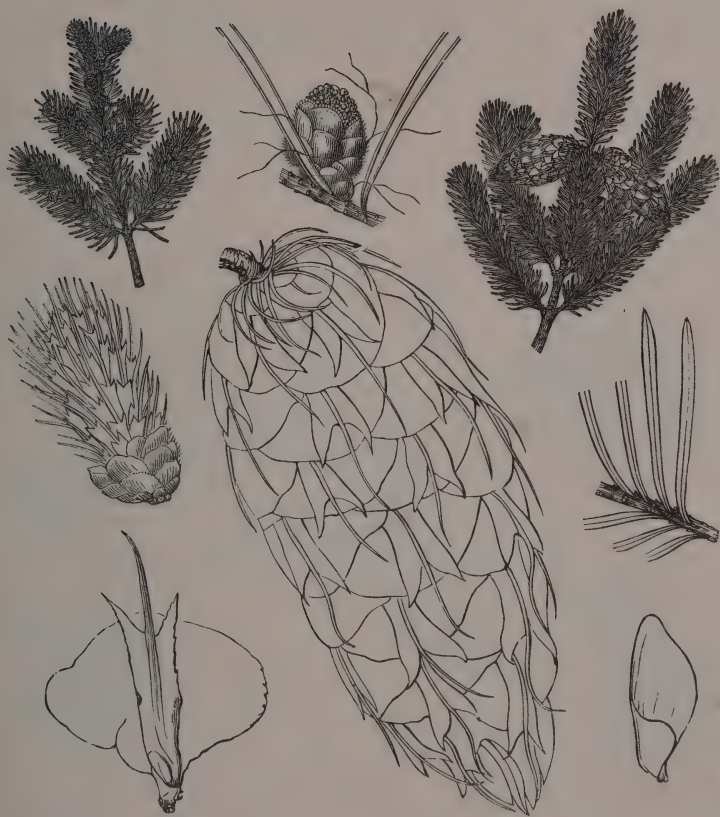
13 ft. high. 4½ in. diam.

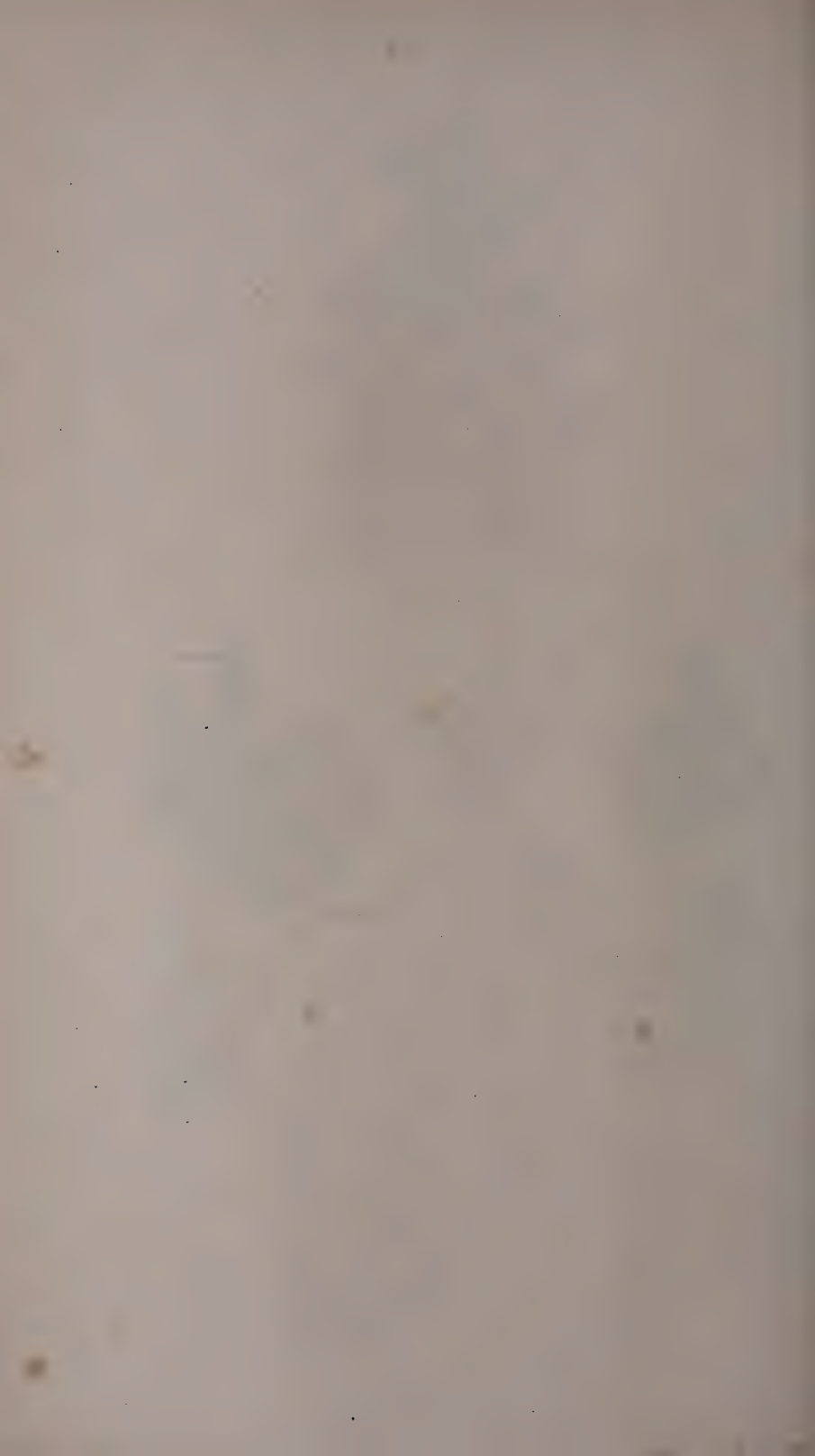






10 ft. high, 2 in. diam.





*Abies canadensis.*

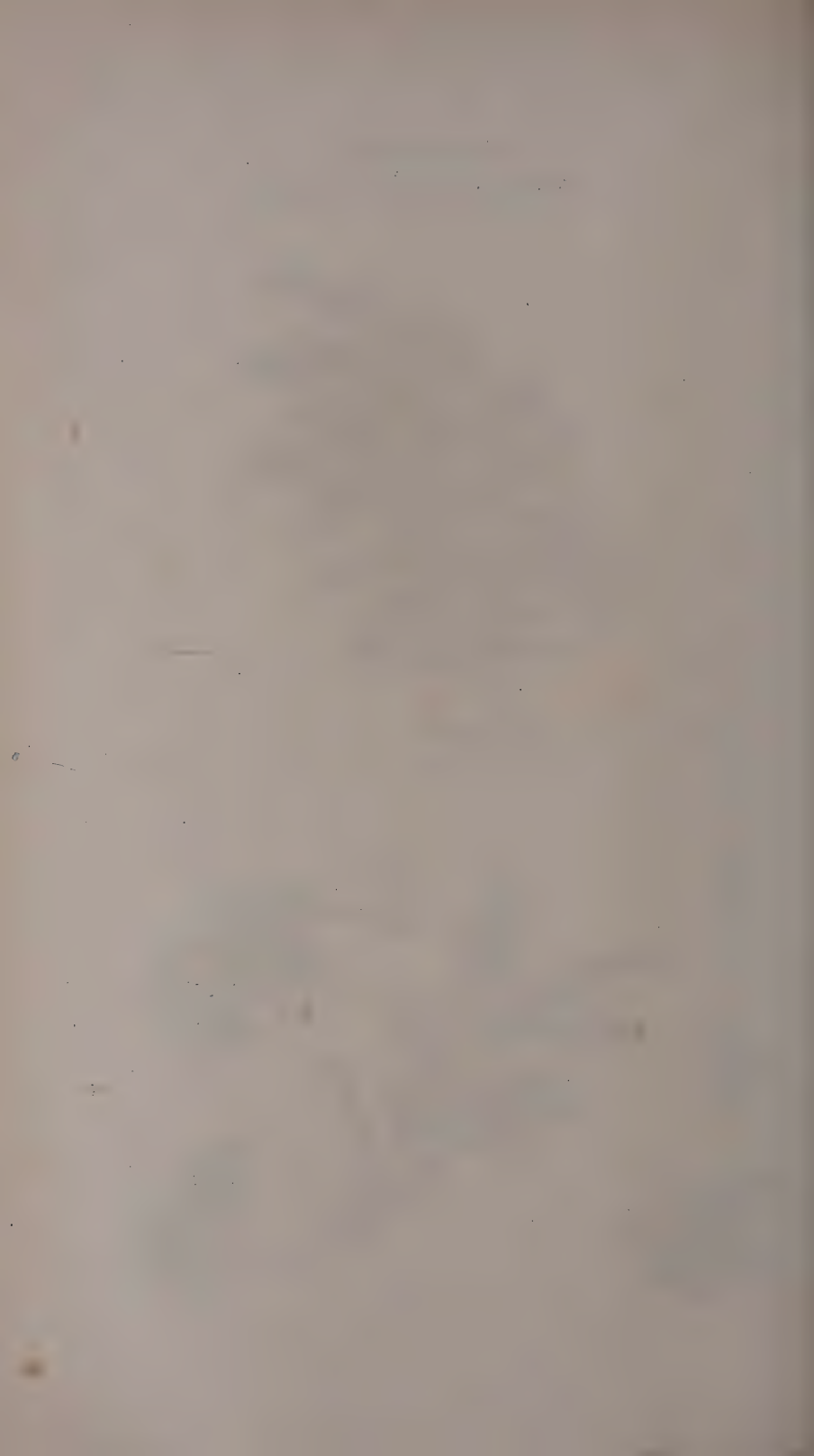
The Canadian, or Hemlock Spruce, Fir.



11 ft. high, 1½ in. diam.







*Abies canadensis.*

The Canadian, or Hemlock, Spruce Fir.



Full-grown tree in Whitton Park, 35 ft. high; diam. of the head 36 ft.  
[Scale 1 in. to 12 ft.]





The Canadian, or *Hemlock*, Spruce.



Full-grown tree at Studley, 60 ft. high ; diam. of the head 50 ft.  
[Scale 1 in. to 12 ft.]







The comb-like-leaved Silver Fir.



22 ft. high, 3½ in. diam.



m  
+



m. mag  
+



m  
+



f  
+



f  
+



f  
+



*Picea pectinàta.*

The comb-like-leaved  
Silver Fir.



Full-grown tree at Syon, 96 ft. high; diam. of the trunk  $2\frac{1}{2}$  ft.  
[Scale 1 in. to 12 ft.]



*Picea pectinàta.*

The comb-like-leaved, or common, Silver Fir.



Full-grown tree at Roseneath, 90 ft. high; diam. of the trunk 7 ft. 6 in., and of the head 66 ft.  
[Scale 1 in. to 24 ft.]

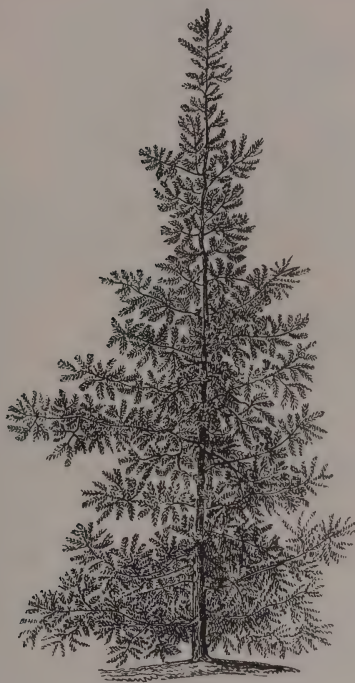






*Picea balsamifera.*

The balsam-bearing, or *Balm of Gilead*, Silver Fir.



14 ft. high.  $2\frac{1}{2}$  in. diam.







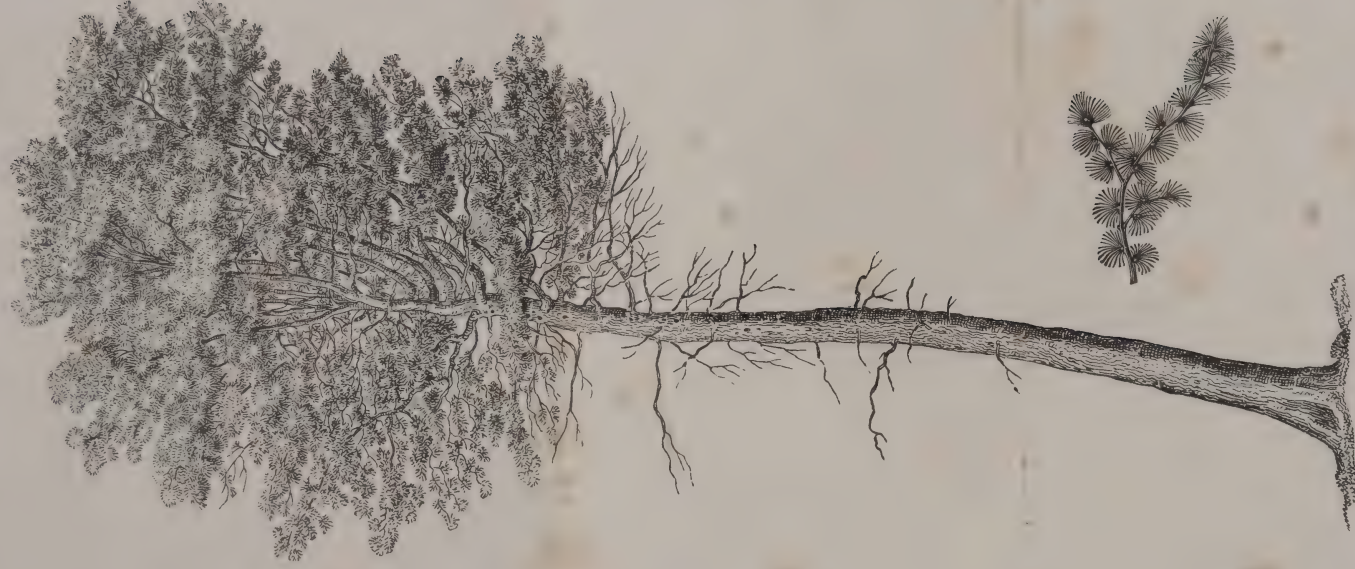
20 ft. high, 6 in. diam.



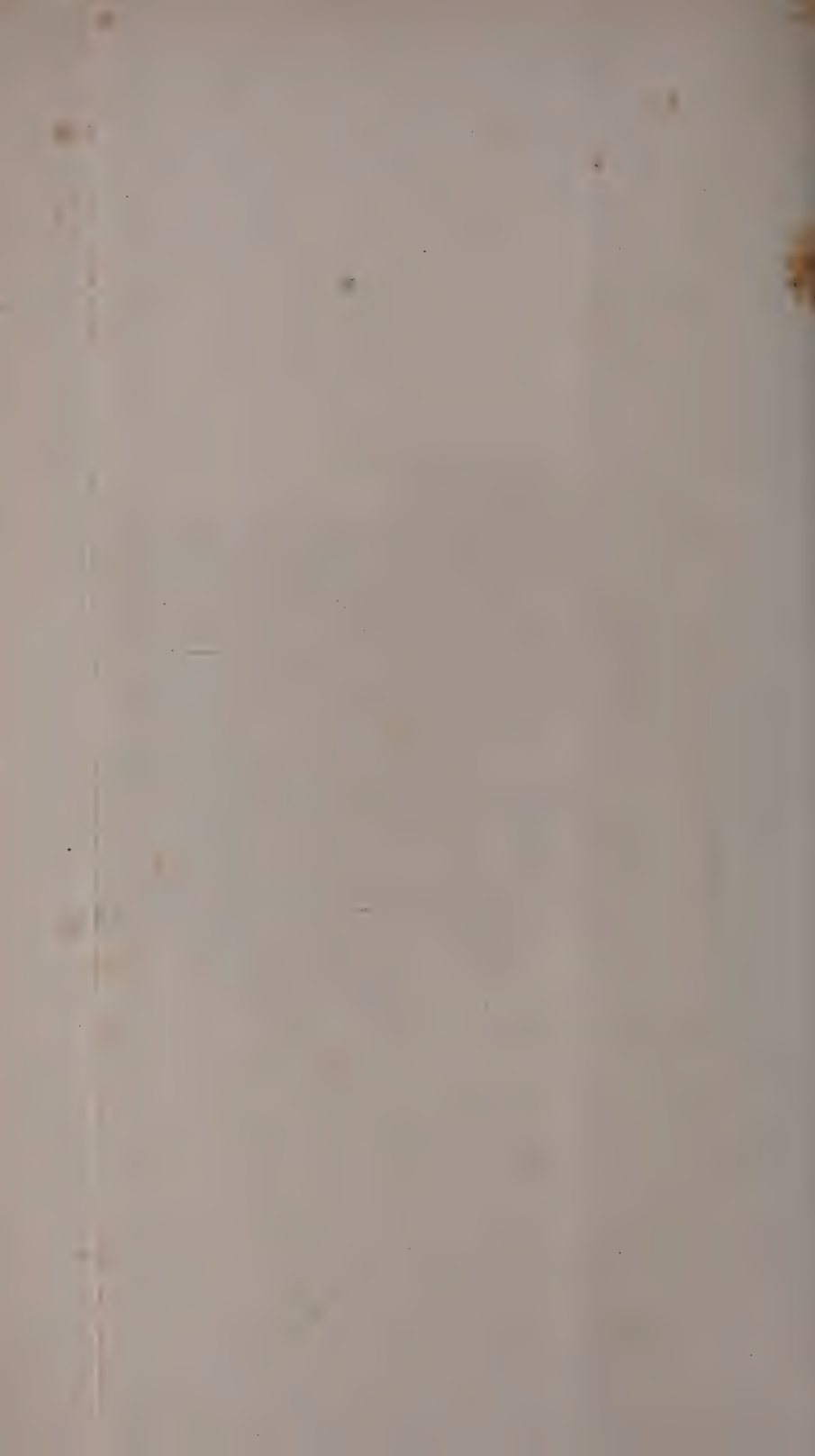




*Lârix europæa*.  
The European, or common, Larch.



Full-grown tree at Kenwood, 95 ft. high; diam. of the trunk 3 ft. 2 in.  
[Scale 1 in. to 12 ft.]



*Làrix americana rubra.*  
The red-coned American Larch.

394



17 ft. high, 4 in. diam.







Full-grown tree at Syon, 67 ft. high ; diam. of the trunk 1 ft. 3 in., and of the head 35 ft.  
[Scale 1 in. to 12 ft.]



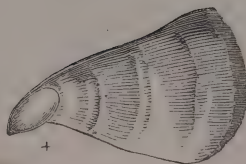




*Cèdrus Libàni.*  
The Cedar of Lebanon.



15 ft. high,  $3\frac{1}{4}$  in. diam.







*Cèdrus Libani.*  
The Cedar of Lebanon.



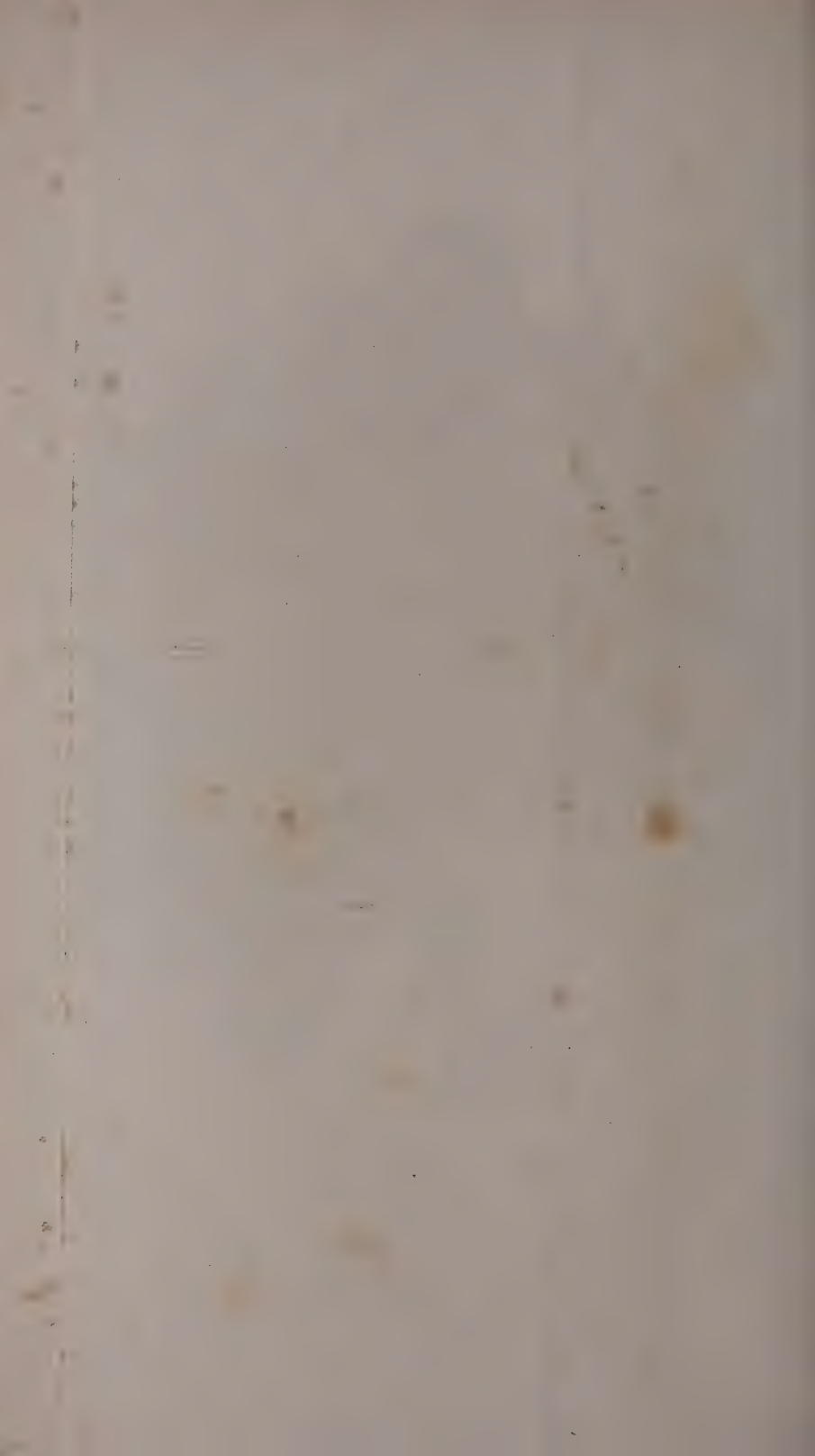
Full-grown tree at Syon, 72 ft. high; diam. of the trunk 8 ft., and of the head 117 ft.  
[Scale 1 in. to 12 ft.]







Full-grown tree at Kenwood, 90 ft. high.  
[Scale 1 in. to 12 ft.]



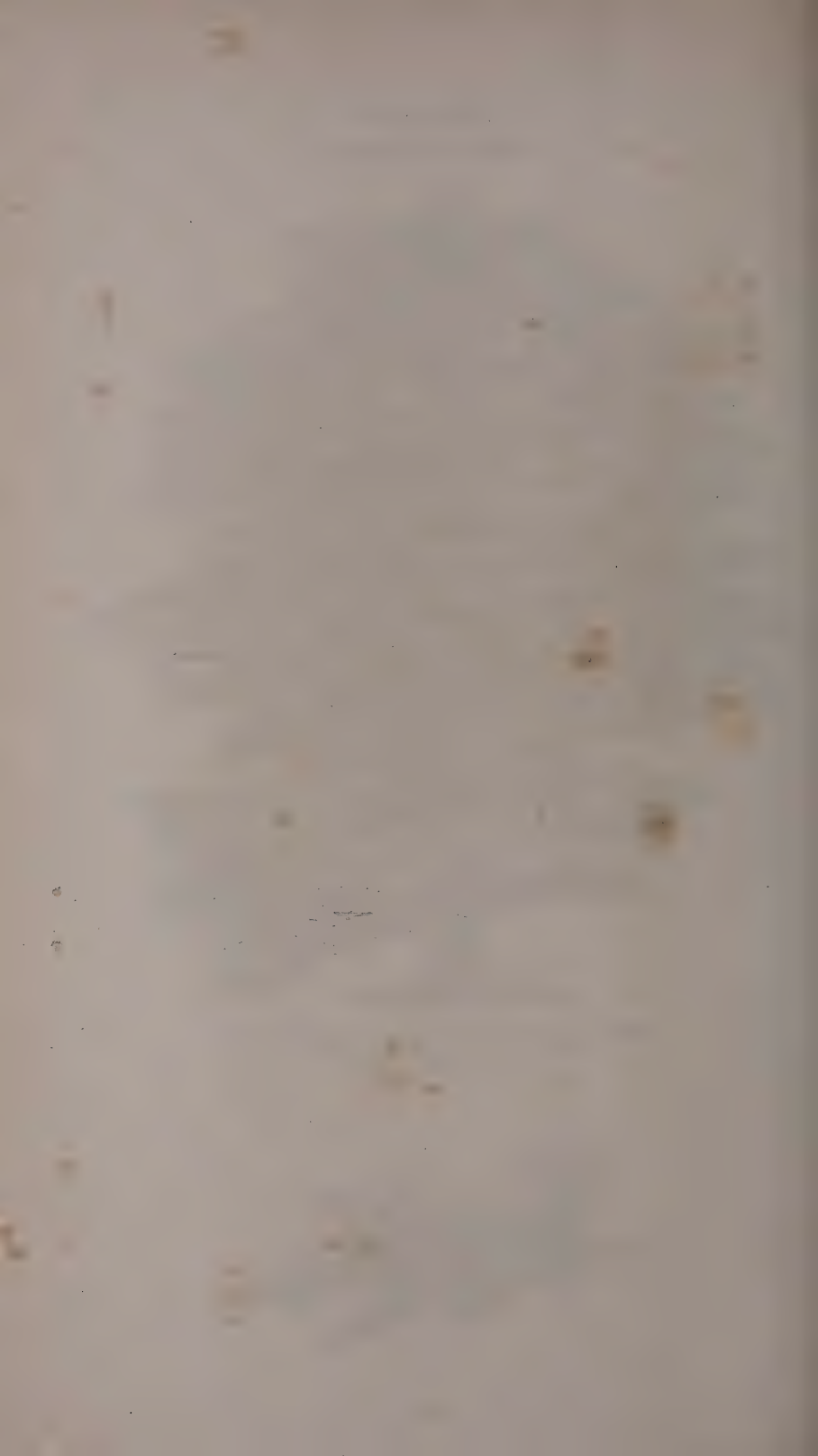
*Cèdrus Libani.*

The Cedar of Lebanon.



Full-grown tree at Foxley, planted by Sir Uvedale Price, 50 ft. high ;  
diam. of the trunk 4 ft., and of the head 50 ft.  
[Scale 1 in. to 12 ft.]







*Cèdrus Libàni var. gláuca.*

The glaucous-leaved, or *Silver*, Cedar.



Full-grown tree at Thomson's Villa, Richmond, 25 ft. high ; diam. of the head 40 ft.  
[Scale 1 in. to 12 ft.]







*Thûja occidentàlis.*The Western, or *American*, Arbor Vitæ.

12 ft. high, 3 in. diam.



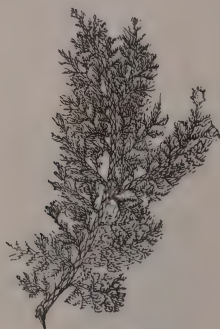


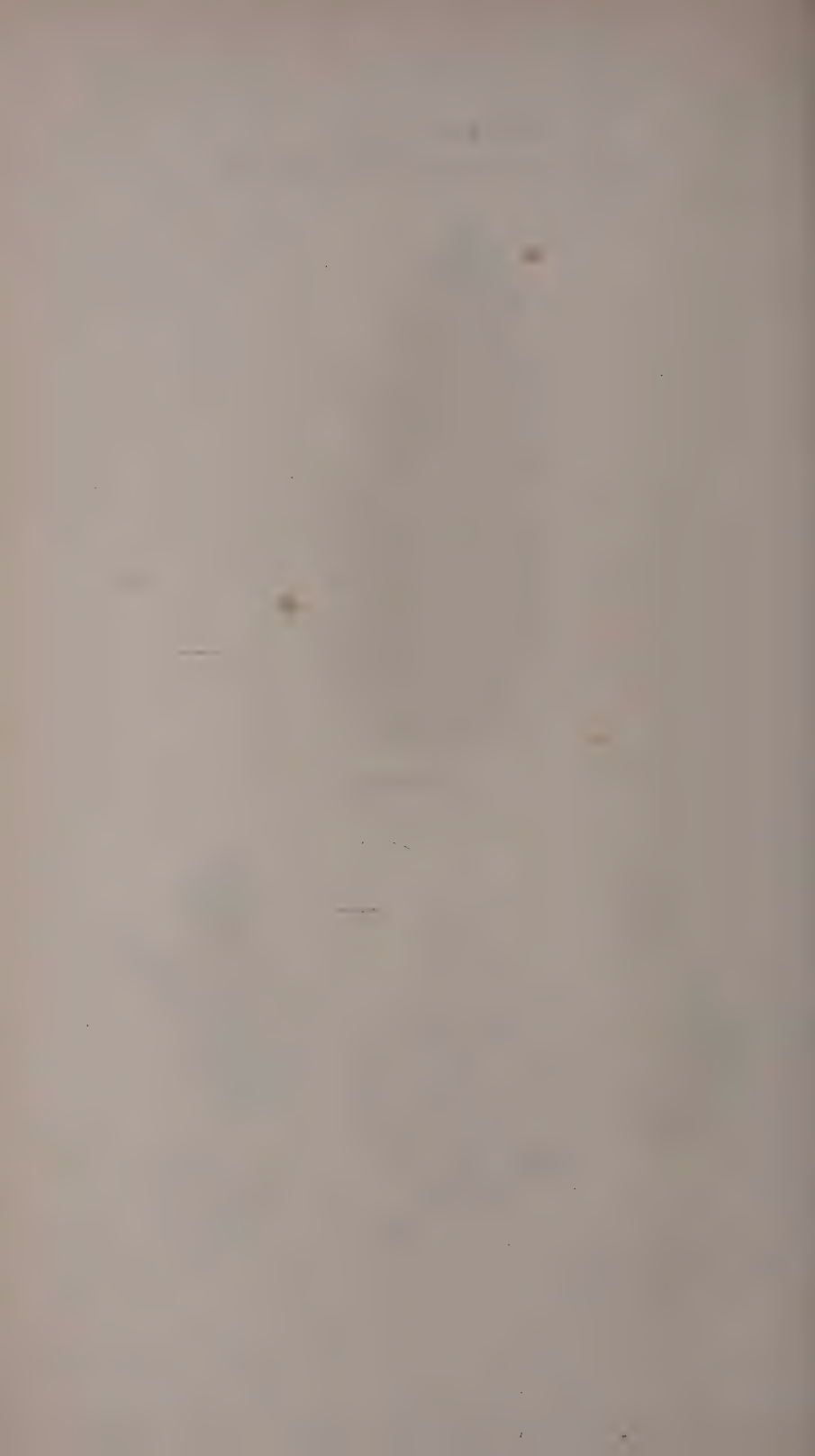
*Thûja orientâlis stricta.*

The upright Eastern, or Chinese, Arbor Vitæ.



14 ft. high, 4 in. diam.



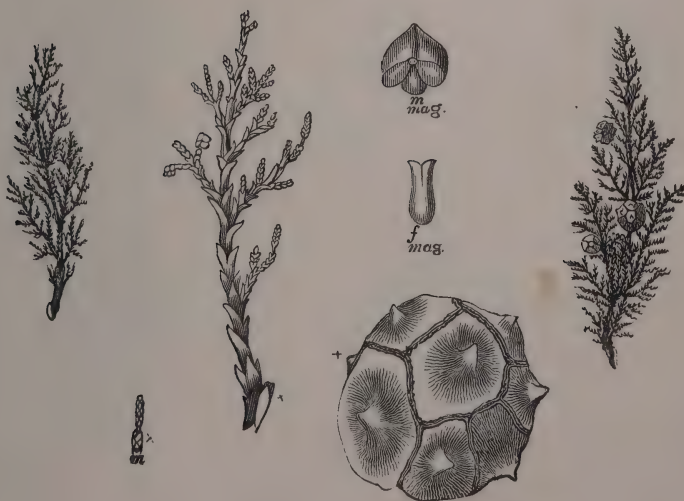




The *common, or evergreen, Cypress.*



15 ft. high, 3 in. diam.





*Cuprèssus sempervirens horizontàlis.*

The spreading evergreen Cypress.



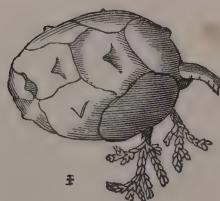
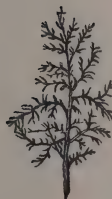
12½ ft. high, 3½ in. diam.



m +



f +



z

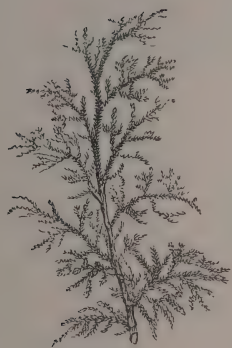


*Cuprêssus lusitânica.*

The Portugal Cypress, or the Cedar of Goa.



12 ft. high, 3½ in. diam.





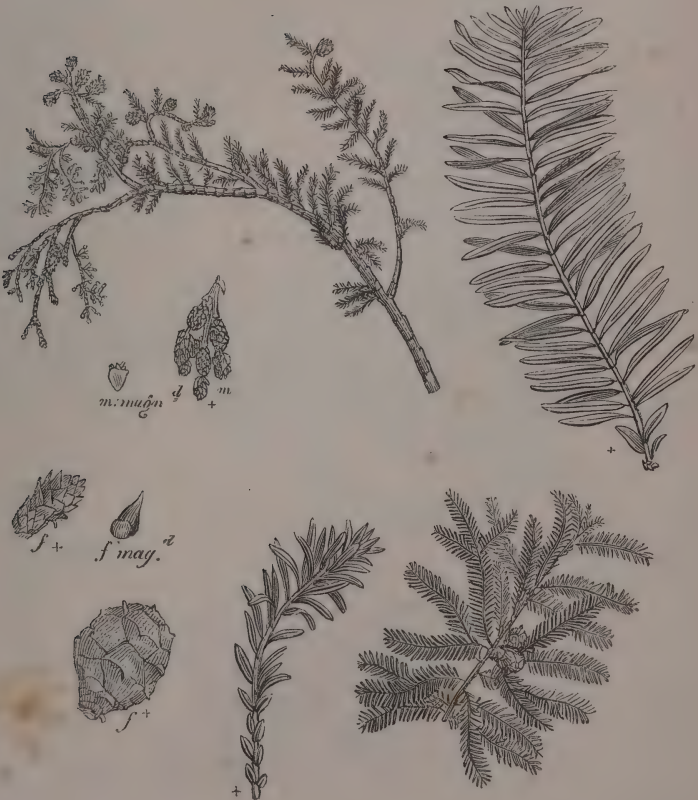


*Taxodium distichum.*

The two-rowed-leaved *Taxodium*, or *Deciduous Cypress*.



9 ft. high, 1½ in. diam.





The two-rowed-leaved *Taxodium*, or *Deciduous Cypress*.



Full-grown tree at Syon, 68 ft. high ; diam. of the trunk  $3\frac{1}{2}$  ft., and of the head 46 ft.







*Juniperus phœnicea.*  
The Phœnician Juniper.



11 ft. high, 3½ in. diam.

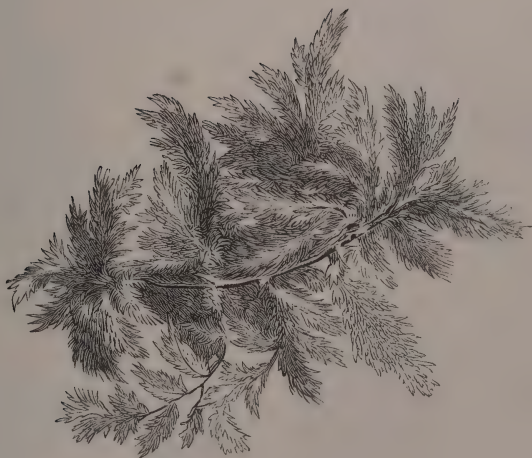




*Juniperus phœnicea.*  
The Phœnician Juniper.



Full-grown tree at Syon, 18 ft. high ; diam. of the trunk 6 in., and of the head 14 ft.  
[Scale 1 in. to 12 ft.]



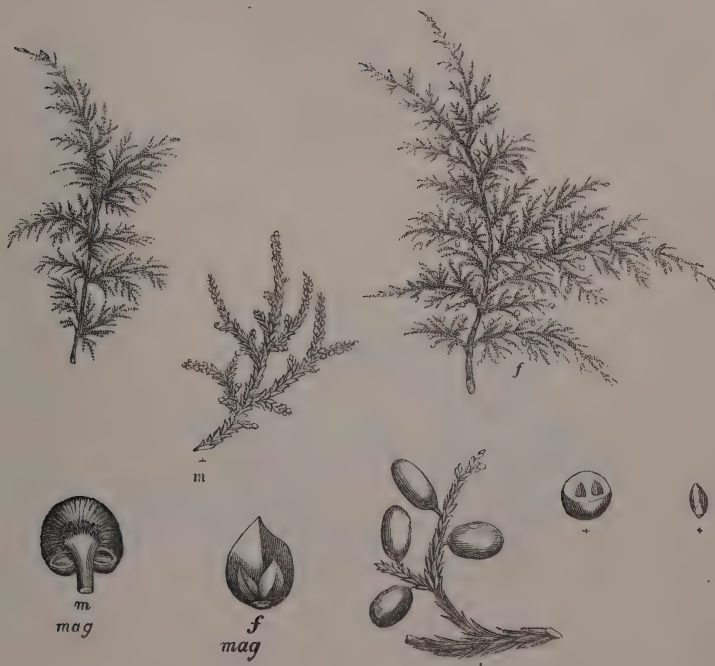


*Juniperus virginiana.*

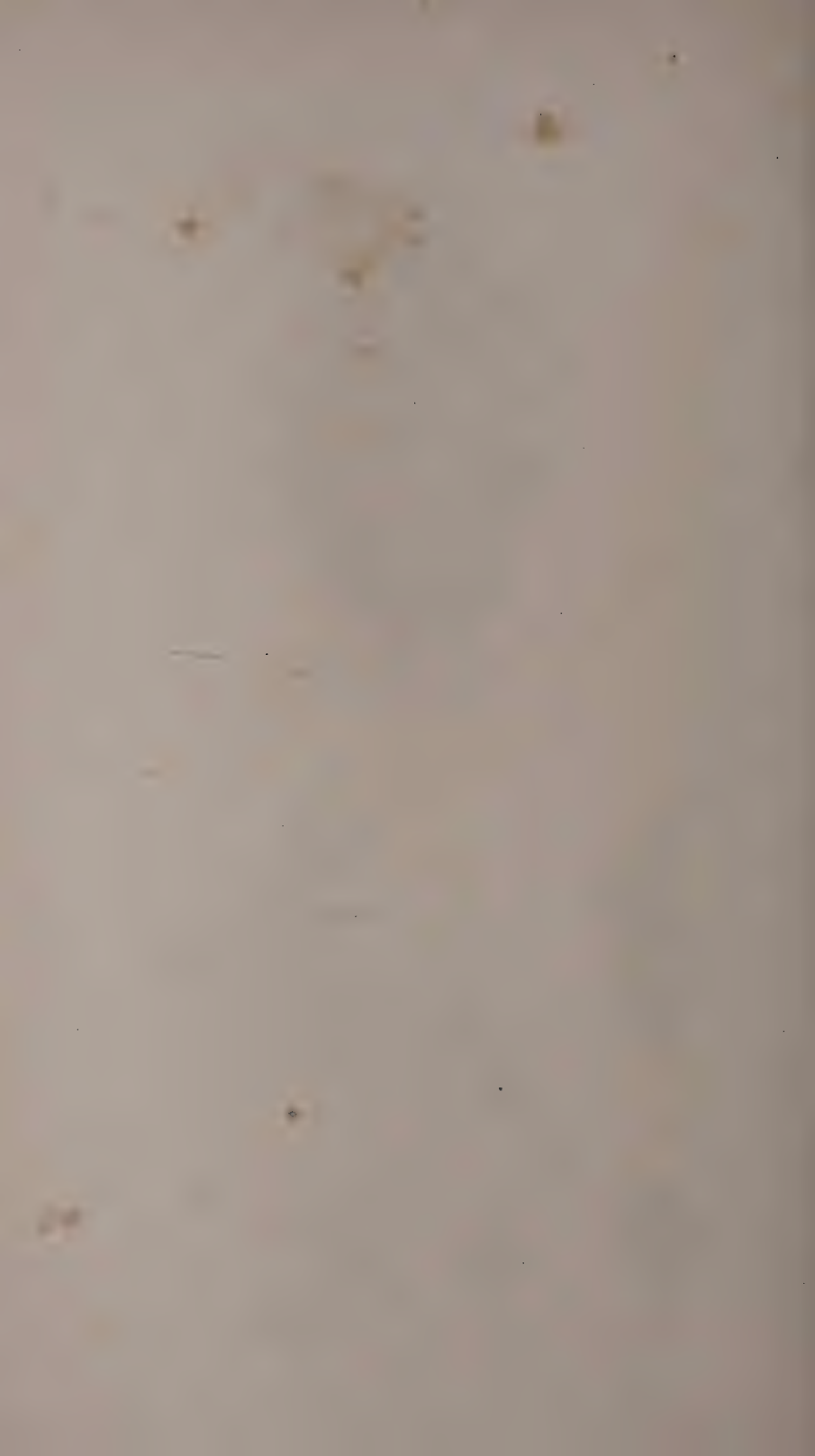
The Virginian Juniper, or Red Cedar.



13 ft. high, 3½ in. diam.





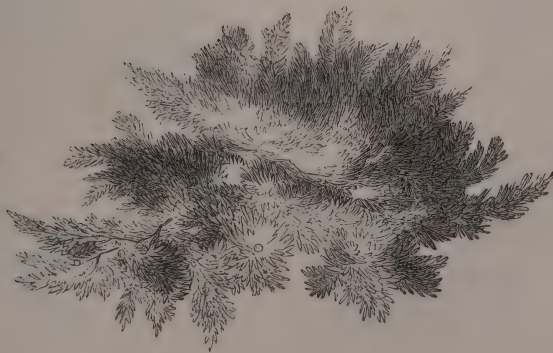


*Juniperus virginiana.*

The Virginian Juniper, or *Red Cedar*.



Full-grown tree at Syon, 36 ft. high; diam. of the trunk  $1\frac{1}{2}$  ft., and of the branches 25 ft.  
[Scale 1 in. to 12 ft.]





*Juniperus chinénsis* (syn. *excélsa*).

The tall Juniper.



13 ft. high, 3 in. diam.







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TO

THE PLATES.



# GENERAL INDEX TO THE PLATES.

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